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Groundwater Monitoring Report
October 2008

Fort Edward Landfill
Site 5-58-001

Work Assignment No.
D004445-19

Prepared for:

SUPERFUND STANDBY PROGRAM
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1.0 INTRODUCTION

This report describes the October 2008 sampling event conducted at the Fort Edward Landfill Site (Site No. 5-58-001), located in the Town of Fort Edward, Washington County, New York. The work was performed in accordance with the Work Plan for Work Assignment (WA) No. D004445-19 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and Earth Tech Northeast, Inc. (Earth Tech).

The work plan was developed for the continued operation, maintenance and monitoring (OMM) of the leachate treatment system at the Site. The groundwater monitoring component of the work plan requires sampling of 11 monitoring wells associated with this site on a "five-quarter" basis (i.e., approximately every 15 months), with a maximum of three sampling events during this WA.

1.1 SITE DESCRIPTION AND BACKGROUND

The former municipal landfill site is located in the Town of Fort Edward, New York (Figure 1). General Electric (GE) dumped approximately 850 tons of PCB-containing scrap capacitors at this landfill. This waste represents approximately 79% of the total hazardous waste identified at this site. As a result of the 1980 "Seven Site Agreement" with the NYSDEC, GE produced a report in 1983 recommending encapsulation of the landfill within a slurry wall and cap; however, operation continued until 1991 and the proposed remedy was not initiated. Due to extended operation of this landfill and the given problems associated with a similar encapsulation remedy taken at the adjacent Kingsbury Landfill (Site 5-58-008), the 1983 Remedial Design proposal was modified. The modified remedy included the construction of an impermeable landfill cap and a leachate collection system, plus the construction of a pre-treatment building with final treatment in the three constructed wetland cells. [From: NYSDEC Registry of Inactive Hazardous Waste Disposal Sites, April 2002]

2.0 GROUNDWATER SAMPLING

Groundwater sampling was performed in accordance with the Work Plan for Work Assignment (WA) No. D004445-19 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and Earth Tech Northeast, Inc. (Earth Tech), and as directed by NYSDEC emails dated October 13 and November 17, 2006. According to the work plan, Earth Tech was to sample groundwater at 11 onsite wells on a five-quarter basis, for a maximum of three sampling events during this WA. This report summarizes the second of these events. Groundwater sampling was conducted by Earth Tech's subcontractor, GeoLogic NY Inc., Homer, New York.

Table 1 presents a list of site monitoring wells and the depth-to-water data collected during both Earth Tech sampling events. Only 10 of the wells could be sampled, since one well (MW-5) is damaged. The locations of these wells are presented in Figure 2, a map of the landfill and vicinity. The condition of all 16 site wells was assessed and recorded on the logs presented in Appendix A. Field Observation Logs - Groundwater Sampling Records are presented in Appendix B.

2.1 GROUNDWATER SAMPLING METHODOLOGY

The work plan called for sampling 11 onsite wells (MW-1, MW-1A, MW-2, MW-2A, MW-5, MW-6, MW-6A, MW-6B, MW-7, MW-8, and MW-NEW). MW-5, however, could not be sampled because of damage to the well's solid riser.

Prior to sampling each well, a depth-to-water measurement was taken using a water level indicator, which was rinsed with distilled water before each use. Each monitoring well was purged of three well volumes using either dedicated bailers, or a peristaltic pump with dedicated tubing, as noted on the logs in Appendix B. Purge water was disposed on the ground in the immediate vicinity of each well. Prior to use at each monitoring well, the peristaltic pump was decontaminated by a liquinox bath followed by a distilled water rinse.

After purging up to three well volumes of water, temperature, conductivity, pH, turbidity, color and odor of the water were recorded on the Appendix B logs. Water samples were obtained with new dedicated polyethylene bailers. In the event that a peristaltic pump was used for sampling, new tubing was used for each sample. All groundwater samples were bottled in laboratory-provided containers. Samples were packed on ice, and submitted under standard Chain-of-Custody (COC) procedures to Mitkem Laboratories in Warwick, Rhode Island. Each sample was analyzed for volatile organic compounds (VOC) by USEPA Method 8260, CLP metals by Method ILM 4.1, and polychlorinated biphenyls (PCB) by Method 8082.

3.0 RESULTS

3.1 WELL INVENTORY

Sixteen monitoring wells were inventoried on log sheets provided by the NYSDEC. Our observations are presented in Appendix A. Eight of the wells were positively identified (i.e., legible field labels). Most of the monitoring wells on the site are in good condition and have functioning locks. All wells reportedly have surface seals; two of the wells have seals that require repair or replacement. Monitoring well MW-5 has a "pinched" PVC casing about a foot below the top of the outer steel protective casing, rendering the well inaccessible for water-level measurements and sampling. The unidentified well (south) has no upper casing and the PVC is broken.

3.2 GROUNDWATER FLOW

Water level and total well depth measurements were obtained at 14 of the 16 wells located onsite. These measurements are noted on the inspection logs in Appendix A. The measurements and elevations for the 10 sampled wells are presented on Table 1. Measuring-point elevations were obtained from the November 1995 Final Engineering Report for the Site, prepared by URS Consultants, Inc. Depth-to-water measurements were converted to water table elevations and contoured as shown in Figure 2. The wells selected for contouring were those determined to be screened in the upper delta sand unit underlying the landfill. The wells screened at deeper intervals were not used. The overall direction of groundwater flow beneath the landfill is to the east-northeast as indicated.

3.3 ANALYTICAL RESULTS

The analytical results for the October 2008 groundwater sampling event are presented on Table 2. Only detected compounds/metals are tabulated. Concentrations above the New York State Ambient Water Quality Standards (AWQS) and Guidance Values for groundwater are shown in bold font in a shaded cell for easy reference. Historical analytical data, made available by the NYSDEC for the period of 1995 to 2000, are presented in Table 3. These data were reviewed in order to place the present data in an historical context.

Volatile Organic Compounds

VOC concentrations in the 10 sampled monitoring wells ranged from below reporting limits (<10 µg/L) to 23 µg/L of chlorobenzene in MW-6, similar to the URS results from the 1990s. Only two wells showed detectable concentrations of VOCs: MW-6 and MW-6A, located on the northeast (downgradient) side of the landfill. The four VOCs detected in these wells were chlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and 1,2,4-trichlorobenzene. Three of these compounds were detected at concentrations that only slightly exceed the AWQS.

Historical total VOC data are presented on Table 3 for the MW-6 well nest. No total VOC data was available for the other wells for any dates other than the URS 1995 sampling events and were therefore not included in the table. A review of the 1995 data indicates that MW-2 and MW-7 showed very low levels of some VOCs which have been reported as non-detect in the most recent two sampling events.

Table 3 and the graph presented in Figure 3 show the total VOC concentrations for MW-6, MW-6A and MW-6B. [Totals from 1995 through 2000 include only concentrations of VOCs that were detected above

AWQS. The 2007 and 2008 totals include all detections, whether above or below AWQS.] MW-6 total VOC concentrations from the two most recent sampling events are similar to those from the late 1990s, though the concentration has decreased since 1995. MW-6A has shown a slight increase in concentrations of total VOCs since 2000. MW-6B has shown no detectable VOCs since May 1999.

In summary, VOCs do not appear to be widely present at high concentrations in site groundwater. However, MW-5, a downgradient monitoring well which has yielded highly contaminated samples in the past, needs to be repaired and sampled. Also, treatment plant influent water currently exhibits high levels of cis-1,2-DCE and vinyl chloride. Neither compound has been detected in the MW network, as currently sampled.

PCB Organics

PCBs were detected in only one groundwater sample (0.43 µg/L of Aroclor-1221 in MW-6), and at a concentration exceeding the AWQS for this compound. PCBs were not detected in any groundwater samples collected by Earth Tech in the 2007 sampling event at the site. The only historical PCB data available is from the URS 1995 report, and neither of the two 1995 sampling events detected PCBs in the monitoring wells.

In summary, PCBs have not generally been detected in site groundwater. Treatment plant influent is not analyzed for PCB compounds (although effluent is).

Metals

During the October 2008 sampling event, mercury was the only metal in the 23-metal CLP scan that was not detected. A total of seven metals were present in groundwater at concentrations exceeding the AWQS. The most commonly exceeded standard was iron ("Fe"; eight of 10 sampled wells); next was sodium ("Na"; seven wells); and finally manganese (Mn), with five wells exceeding the AWQS.

All sampled monitoring wells, with the exception of the upgradient well MW-8, had AWQS exceedances for metals. The remaining nine wells had exceedances for either two, three or four metals; MW-6A and MW-6B fell in the latter category. AWQS exceedances are denoted by a shaded cell on Table 2. Concentrations of arsenic, cadmium, chromium, lead, iron and nickel in most wells are significantly lower than the July 2007 results.

MW-NEW, located just off the southeast corner of the landfill cap, showed the highest concentrations of magnesium and sodium of the 10 wells sampled in October 2008. These levels are similar to the July 2007 data. Historical data are not available for this well. MW-7, located near the foot of the cap on the north side of the landfill, featured the highest iron and manganese concentrations in the current sampling event.

Table 3 and the graphs in Figures 4 and 5 compare recent concentrations for four metals with available historic data for six wells (note that this display excludes four wells in the current monitoring program). Within this group of wells, only MW-6A has consistently exceeded the guidance value (GV) for magnesium ("Mg"; 35,000 ug/L). Concentrations of the same metal at MW-6 have fallen substantially (to well below the GV) since the May 2000 sampling event (Figure 4, top). From an historical perspective, the Mg concentration in MW-6B in the 2007 event appears to be an aberration.

None of the six wells graphed on the lower half of Figure 4 has ever met the AWQS for iron (300 ug/L). Moreover, the iron concentrations have not decreased substantially, if at all, since the first sampling events in the spring and summer of 1995. MW-2A, MW-6, MW-6A and MW-7 are at or near the top of

their historic ranges for iron. As shown on Table 2, only MW-NEW and MW-8 met the AWQS for iron in the current sampling event.

Figure 5 shows historical graphs for both manganese and sodium concentrations. Wells exceeding the standard for manganese (300 ug/L) include MW-2, MW-2A, MW-6, MW-6A and MW-7. Concentrations in MW-2 are near the lower end of their historic range for Mn, while there has been little variation in MW-2A across the seven sampling events. Mn concentrations in MW-6, MW-6A and MW-7 are currently higher than in the mid-90s.

Only MW-6, MW-7 and MW-8 met the AWQS for sodium (20,000 ug/L; Table 2). There is no evident trend in Na concentrations in MW-2, MW-2A, MW-6A and MW-6B (Table 3 and Figure 5). The concentration of sodium in MW-6 shows a notable decreasing trend.

Historically, the only other metals detected above groundwater standards in the monitoring wells were antimony, arsenic, cadmium, chromium and thallium. The 2007 and 2008 data indicate that some of these metals continued to show concentrations above water quality standards. Antimony was detected above groundwater standards in MW-1, MW-6B and MW-NEW. An elevated level of arsenic was detected in MW-6B in the 2007 sampling event. Cadmium concentrations were elevated in MW-2 in 2007 and in MW-6B in both 2007 and 2008. MW-6B presented elevated levels of chromium in 2007. Thallium showed elevated concentrations in many of the monitoring wells in 2007 but only in MW-7 in the 2008 sampling event. Overall, selenium levels in most of the wells for the 2007 sampling event were elevated, but none of the wells reported elevated concentrations in the 2008 sampling event. Other metals showing elevated concentrations noted in the most recent sampling events were lead and nickel in the 2007 sampling for MW-6B.

As an upgradient, background well for the site, MW-8 depicts groundwater quality without significant site impacts. The only historical data available for this well is from 1995; recent metals concentrations do not deviate significantly from these data. Only two metals, iron and selenium, were detected above water quality standards in this well in 2007; no metals exceeded AWQS in 2008.

4.0 CONCLUSIONS

VOCs do not appear to be widely present at high concentrations in site groundwater. However, MW-5, a downgradient monitoring well which has yielded highly contaminated samples in the past, has not been sampled in many years.

PCBs have not generally been detected in site groundwater, and are not analyzed for in the treatment plant influent.

A total of seven metals were present in groundwater at concentrations exceeding the AWQS. All sampled monitoring wells, with the exception of the upgradient well MW-8, had AWQS exceedances for metals. The most commonly exceeded standard was for iron.

The groundwater remedial system should remain in operation to treat elevated iron and VOC concentrations. Although VOC levels do not appear to be problematic in the monitoring well results, vinyl chloride and cis-1,2-DCE have been noted at high concentrations in the groundwater influent to the treatment system.

Another round of groundwater sampling will occur at this site during the winter months of 2010.

TABLES

Table 1
Water Level Data
Fort Edward Landfill
Town of Fort Edward, New York
Site #5-58-001

Well ID	Elevation of riser *	Depth to Water (ft) July 11 and 12, 2007	Groundwater Elevation July 11 and 12, 2007	Depth to Water (ft) October 27, 2008	Groundwater Elevation October 27, 2008	Well Depth (ft)
MW-1	**258.87**	37.31	221.56	38.52	220.35	48.6
MW-1A	**257.51**	38.92	218.59	30.51	227.00	65.07
MW-2	**192.59**	8.16	184.43	8.02	184.57	18.24
MW-2A	**192.4**	9.27	183.13	8.73	183.67	26.80
MW-6	**193.08**	8.23	184.85	8.08	185.00	17.90
MW-06A	**193.61**	10.44	183.17	10.50	183.11	61.30
MW-6B	**193.68**	15.00	178.68	15.94	177.74	81.70
MW-7	**203.43**	15.80	187.63	16.97	186.46	27.50
MW-08	**240.24**	7.80	232.44	8.03	232.21	12.38
New Well		7.93		7.04		22.13

*** Elevation Data from URS 1995 survey.**

Table 2
Groundwater Analytical Data

Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001
October 2008

		MW-1		MW-1A		MW-2		MW-2A		MW-2C (dup 2A)	MW-6	
Volatiles ug/L	**NYSAWQS***	**07/12/07**	**10/27/08**	**07/12/07**	**10/27/08**	**07/11/07**	**10/27/08**	**07/11/07**	**10/27/08**	**07/11/07**	**07/11/07**	**10/27/08**
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**17**	**23**
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 3 -Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 4 -Dichlorobenzene	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 2, 4 -Trichlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	ND	ND	**17**	**23**
PCB Organics ug/L												
Aroclor-1221	0.09	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	1.0 U	**0.43**
Metals ug/L												
Aluminum	NS	**8,350**	**169 B**	**11,100**	**996**	**530**	7.4 U	**4,810**	**26.9 B**	NA	**545**	**31.4 B**
Antimony	3	3.4 U	**4.5 B**	3.4 U	2.2 U	3.4 U	2.2 U	3.4 U	2.2 U	NA	3.4 U	2.2 U
Arsenic	25	4.9 U	**2.4 B**	**18.6**	**12.1**	4.9 U	1.6 U	4.9 U	1.6 U	NA	**10.9**	**17.5**
Barium	1000	**86.2 B**	**26.4 B**	**123 B**	**29.6 B**	**27.8 B**	**24.3 B**	**117 B**	**73.2 B**	NA	**51.6 B**	**53.2 B**
Beryllium	3	**0.60 B**	**0.056 B**	**0.58 B**	**0.11 B**	0.10 U	0.030 U	**0.25 B**	0.030 U	NA	0.10 U	**0.036 B**
Cadmium	5	**0.24 B**	**0.33 B**	0.20 U	**0.59 B**	**15.3**	**0.43 B**	0.20 U	**0.080 B**	NA	**0.70 B**	**0.73 B**
Calcium	NS	**43,600**	**53,200**	**32,300**	**22,400**	**63,100**	**81,900**	**42,800**	**42,600**	NA	**67,800**	**76,100**
Chromium	50	**9.0 B**	**1.2 B**	**13.4**	**1.4**	**0.69 B**	0.35 U	**6.2 B**	0.35 U	NA	0.30 U	0.35 U
Cobalt	NS	**7.6 B**	**1.5 B**	**6.6 B**	**2.1 B**	**2.3 B**	**0.59 B**	**3.1 B**	0.20 U	NA	**32.4 B**	**24.8 B**
Copper	200	**9.0 B**	**13.1 B**	**14.1 B**	**11.6 B**	**618**	**24.2 B**	**5.5 B**	**4.3 B**	NA	0.50 U	**2.4 B**
Iron	300	**20,100**	**1,170**	**11,500**	**1,630**	**9,860**	**5,320**	**15,200**	**11,200**	NA	**135,000**	**120,000**
Lead	25	**3.8**	**0.81 B**	**8.0**	**1.3 B**	**1.3 B**	0.40 U	**2.6 B**	0.40 U	NA	**2.3 B**	0.40 U
Magnesium	35,000 (GV)	**11,200**	**12,000**	**6,340**	**2,580 B**	**11,300**	**14,700**	**17,400**	**15,900**	NA	**17,200**	**16,500**
Manganese	300	**516**	**50.5**	**267**	**123**	**423**	**684**	**459**	**319**	NA	**4,360**	**2,610**
Nickel	100	**12.4 B**	**1.7 B**	**14.2 B**	**3.5 B**	**5.4 B**	**1.7 B**	**7.0 B**	**0.72 B**	NA	**5.6 B**	**3.1 B**
Potassium	NS	**2,320 B**	**1,430 B**	**3,320 B**	**910 B**	**2,420 B**	**2,510 B**	**2,800 B**	**1,850 B**	NA	**5,800**	**6,950**
Selenium	10	**10.3**	2.6 U	**11.2**	2.6 U	**12.4**	2.6 U	**11.8**	2.6 U	NA	**29.8**	**3.4 B**
Silver	50	0.90 U	0.35 U	0.90 U	0.35 U	**6.1 B**	0.35 U	**2.1 B**	0.35 U	NA	0.90 U	0.35 U
Sodium	20,000	**54,900**	**44,100**	**25,600**	**24,800**	**60,100**	**61,700**	**28,900**	**31,200**	NA	**3,370 B**	**17,700**
Thallium	0.5 (GV)	**3.7 B**	2.1 U	2.9 U	2.1 U	**4.3 B**	2.1 U	2.9 U	2.1 U	NA	**28.7**	2.1 U
Vanadium	NS	**23.4 B**	**2.0 B**	**57.0**	**10.4 B**	**20.5 B**	**5.8 B**	**8.4 B**	0.28 U	NA	**0.80 B**	**1.6 B**
Zinc	5,000 (GV)	**56.7**	**63.2**	**52.4**	**36.9**	**103**	**26**	**36.3**	**18.9 B**	NA	**22**	**18.4 B**

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

Organics: The asscociated analyte was also detected in the method blank.

U - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

Only detections are shown. Detected concentrations shown in **bold** font.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - not analyzed.

NS - no standard or Guidance Value

Table 2
Groundwater Analytical Data

Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001
October 2008

		MW-6C (Dup MW-6)	MW-6A		MW-6B		MW-7		MW-8		MW-NEW	
Volatiles ug/L	**NYSAWQS***	**10/27/08**	**07/11/07**	**10/27/08**	**07/11/07**	**10/27/08**	**07/11/07**	**10/27/08**	**07/11/07**	**10/28/08**	**07/11/07**	**10/27/08**
Chlorobenzene	5	**24**	**6 J**	**5.2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 3 -Dichlorobenzene	3	10 U	10 U	**4.6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 4 -Dichlorobenzene	3	10 U	10 U	**2.3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1, 2, 4 -Trichlorobenzene	5	10 U	10 U	**7.2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total VOCs		**24**	**8 J**	**19.3 J**	ND	ND	ND	ND	ND	ND	ND	ND
PCB Organics ug/L												
Aroclor-1221	0.09	NA	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	0.065 U	1.0 U	0.065 U
Metals ug/L												
Aluminum	NS	NA	**99.6 B**	7.4 U	**116,000**	**1,720**	**217**	**15.3 B**	**16,500**	**139 B**	**800**	7.4 U
Antimony	3	NA	3.4 U	2.2 U	3.4 U	**3.6 B**	3.4 U	2.2 U	3.4 U	2.2 U	**5.2 B**	2.2 U
Arsenic	25	NA	**16.3**	**17**	**30.3**	**10 B**	4.9 U	**7.0 B**	**7.2 B**	**3.5 B**	4.9 U	1.6 U
Barium	1000	NA	**224**	**184 B**	**965**	**54.8 B**	**34.5 B**	**22.3 B**	**147 B**	**22.2 B**	**69.8 B**	**62.1 B**
Beryllium	3	NA	0.10 U	0.030 U	**6.3**	**0.26 B**	0.10 U	**0.034 B**	**0.92 B**	**0.065 B**	0.10 U	0.030 U
Cadmium	5	NA	**0.69 B**	**0.17 B**	**679**	**39.3**	**1.4 B**	**0.90 B**	0.20 U	**0.36 B**	0.20 U	0.040 U
Calcium	NS	NA	**115,000**	**106,000**	**326,000**	**31,800**	**76,000**	**56,900**	**55,400**	**50,500**	**74,300**	**76,200**
Chromium	50	NA	0.30 U	0.35 U	**189**	**2.7 B**	0.30 U	0.35 U	**19.3**	**0.71 B**	**1.3 B**	**0.40 B**
Cobalt	NS	NA	**12.5 B**	**5.8 B**	**85.3**	**4.3 B**	**138**	**21.7 B**	**9.5 B**	**0.40 B**	**1.4 B**	0.20 U
Copper	200	NA	**11.8 B**	**3.5 B**	**182**	**21.8 B**	0.50 U	**1.7 B**	**10.7 B**	**8.1 B**	**2.5 B**	**4.4 B**
Iron	300	NA	**33,100**	**27,400**	**157,000**	**3,160**	**217,000**	**143,000**	**19,900**	**250**	**1,590**	**213**
Lead	25	NA	1.2 U	0.40 U	**64.3**	**3.0 B**	**4.3**	0.40 U	**8.4**	**1.1 B**	1.2 U	0.40 U
Magnesium	35,000 (GV)	NA	**43,500**	**40,600**	**69,600**	**4,070 B**	**16,600**	**14,200**	**15,700**	**12,100**	**153,000**	**160,000**
Manganese	300	NA	**2,620**	**2,320**	**3,820**	**280**	**12,600**	**7,800**	**267**	**71.5**	**66.3**	**30.7**
Nickel	100	NA	**26.7 B**	**19.1 B**	**219**	**9.4 B**	**49.2**	**3.1 B**	**17.6 B**	**1.2 B**	**3.8 B**	**2.0 B**
Potassium	NS	NA	**10,400**	**9,530**	**21,200**	**868 B**	**2,390 B**	**1,650 B**	**3,990 B**	**797 B**	**2,230 B**	**2,460 B**
Selenium	10	NA	**10.2**	2.6 U	**14.9**	2.6 U	**34.2**	2.6 U	**11.5**	2.6 U	**10.2**	2.6 U
Silver	50	NA	**4.4 B**	0.35 U	0.90 U	0.35 U	0.90 U	0.35 U	0.90 U	0.35 U	**8.6 B**	0.35 U
Sodium	20,000	NA	**96,900**	**76,000**	**54,800**	**46,400**	**3,490 B**	**3,460 B**	**12,000**	**13,300**	**197,000**	**193,000**
Thallium	0.5 (GV)	NA	**7.9 B**	2.1 U	**23.8**	2.1 U	**63.3**	**6.4 B**	2.9 U	2.1 U	2.9 U	2.1 U
Vanadium	NS	NA	0.60 U	0.28 U	**206**	**4.8 B**	0.60 U	0.28 U	**28.4 B**	**0.61 B**	**1.6 B**	0.28 U
Zinc	5,000 (GV)	NA	**26.7**	**12.0 B**	**735**	**71.6**	**150**	**17.2 B**	**115**	**72.9**	**17.9 B**	**10.5 B**

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

Organics: The asscociated analyte was also detected in the method blank.

U - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

Only detections are shown. Detected concentrations shown in **bold** font.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - not analyzed.

NS - no standard or Guidance Value

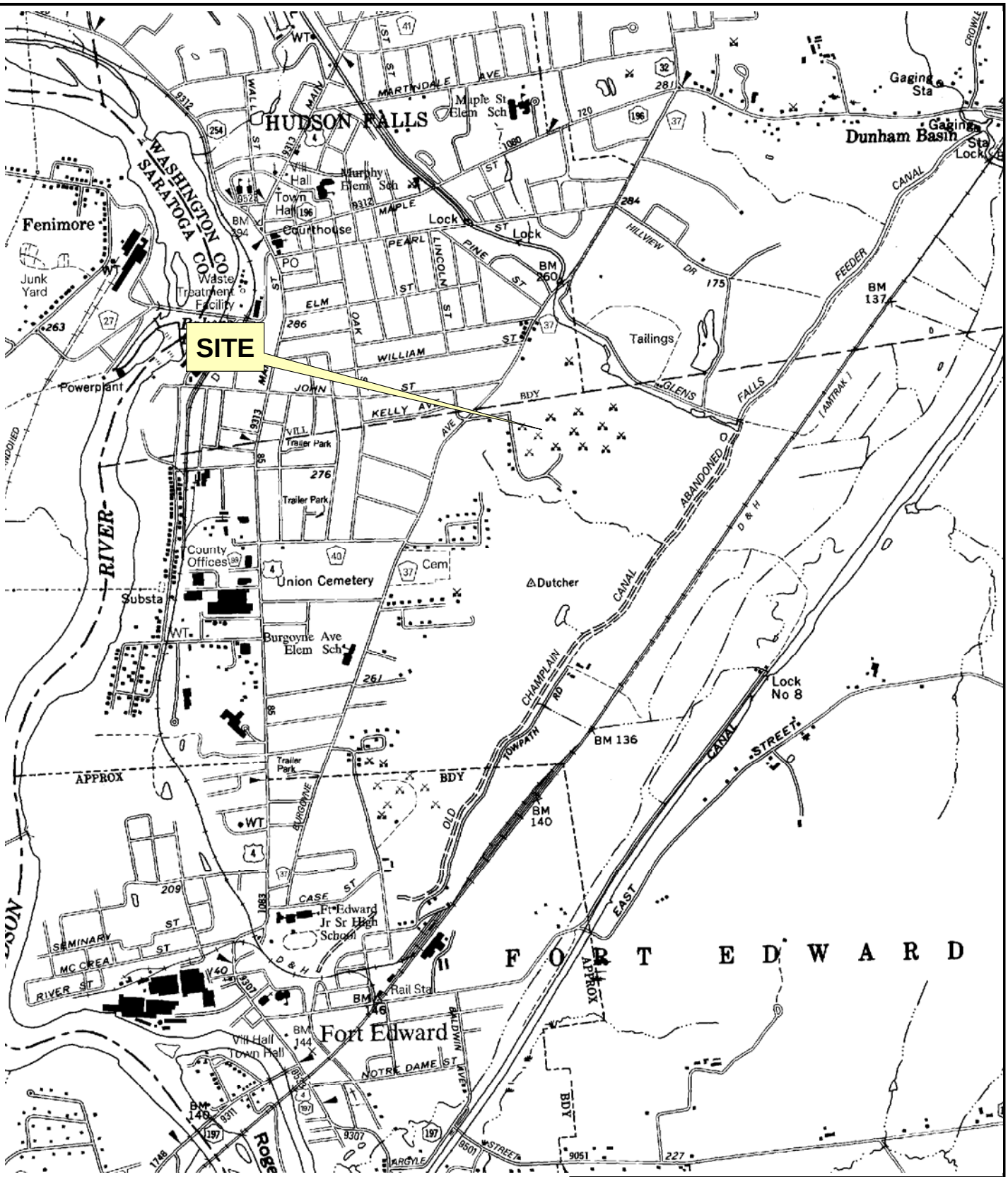
Table 3
Historical Groundwater Analytical Data
May 1995 - Oct 2008

Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

Well ID	Analyte	AWQS+GV	Sample Date						
			May-95	Aug-95	May-99	Oct-99	May-00	Jul-07	Oct-08
MW-02									
	Iron	300	1,270	8,030	7,620	2,900	15,000	9,860	5,320
	Magnesium	35,000 (GV)	62,300	71,400	31,800	31,000	25,000	11,300	14,700
	Manganese	300	1,350	2,320	1,940	1,300	500	423	684
	Sodium	20,000	76,100	106,000	37,700	51,000	28,000	60,100	61,700
MW-02A									
	Iron	300	4,620	4,890	4,830	8,600	13,000	15,200	11,200
	Magnesium	35,000 (GV)	16,900	21,500	22,300	24,000	24,000	17,400	15,900
	Manganese	300	414	492	505	430	700	459	319
	Sodium	20,000	18,700	27,000	23,000	26,000	28,000	28,900	31,200
MW-6	TVOCs		112	83	26	38	ND	17	23
	Benzene	1	13	14	2	4	ND	ND	ND
	Chlorobenzene	5	24	29	24	34	ND	17	23
	Xylene	5	68	40	ND	ND	ND	ND	ND
	Vinyl Chloride	2	7	ND	ND	ND	ND	ND	ND
	Iron	300	37,400	63,700	49,300	80,000	84,000	135,000	120,000
	Magnesium	35,000 (GV)	40,700	46,700	45,000	28,000	51,000	17,200	16,500
	Manganese	300	651	499	1,930	2,300	2,300	4,360	2,610
	Sodium	20,000	199,000	283,000	71,100	100,000	84,000	3,370	17,700
MW-06A	TVOCs		30	ND	ND	2	ND	8	19
	Benzene	1	ND	ND	ND	2	ND	6	ND
	Chloroform	7	30	ND	ND	ND	ND	2	ND
	Iron	300	404	428	388	2,600	35,000	33,100	27,400
	Magnesium	35,000 (GV)	10,100	40,900	48,100	42,000	50,000	43,500	40,600
	Manganese	300	214	4,910	2,410	3,200	5,200	2,620	2,320
	Sodium	20,000	31,700	36,600	90,300	87,000	130,000	96,900	76,000
MW-06B	TVOCs		ND	30	8	ND	ND	ND	ND
	Toluene	5	ND	30	8	ND	ND	ND	ND
	Iron	300	8,130	19,900	49,000	1,200	17,000	157,000	3,160
	Magnesium	35,000 (GV)	4,610	19,900	25,100	1,800	15,000	69,600	4,070
	Manganese	300	213	419	1,600	60	640	3,820	280
	Sodium	20,000	44,600	44,700	42,700	39,000	47,000	54,800	46,400
MW-07									
	Iron	300	23,600	30,800	8,060	2,200	17,000	217,000	143,000
	Magnesium	35,000 (GV)	16,400	17,800	26,000	24,000	32,000	16,600	14,200
	Manganese	300	1,080	1,000	4,040	4,900	15,000	12,600	7,800
	Sodium	20,000	4,830	4,650	6,260	8,400	8,900	3,490	3,460

Notes
All Concentrations are in ug/L
ND = Not detected above Method Detection Limit
95-'00 Data Source: Final Evaluation and Assessment Report, Fort Edward Landfill, NYSDEC, July 2001, URS Consultants

FIGURES



EARTH TECH | AECOM

MAP REFERENCE
STUDY AREA CAN BE FOUND ON NYSDOT QUADRANGLE HUDSON FALLS, NY.

FIGURE 1
SITE LOCATION MAP

FORT EDWARD LANDFILL
NYSDEC # 5-58-001

Town of Fort Edward Washington County

Project No. 99163	**Figure No. 1**

L:\WORK\99163\CADD\GIS\99163_SiteLoc.mxd

N

BURGOYNE AVENUE

TOWN OF KINGSBURY
VILLAGE OF HUDSON FALLS

KINGSBURY LANDFILL

TOWN OF KINGSBURY
TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

VILLAGE OF HUDSON FALLS
TOWN OF FORT EDWARD

FLOWAGE EASEMENT

LEAVY HOLLOW ROAD

R.O.W.

MW-07
186.46

MW-06A

MW-06B

MW-06
185.00

MW-05

MW-08
232.21

UNIDENTIFIED MW

UNIDENTIFIED MW

UNIDENTIFIED MW

UNIDENTIFIED MW

MW-01D

MW-01

MW-01A
227.00

MW-02

MW-02A
183.67

NEW MONITORING WELL

230 220 210 200 190

LEGEND

MW-02	SAMPLED MONITORING WELL
183.67	REPORTED GROUNDWATER ELEVATION
MW-05	MONITORING WELL
200	GROUNDWATER CONTOUR (10 FT.)
240	TOPOGRAPHIC CONTOUR
	STREAM/DRAINAGE CHANNEL/POND
	GROUNDWATER FLOW DIRECTION

Map Reference:
Mapping shown based on a plan titled "Groundwater and Surface Water Monitoring Locations", Figure 2-1, by URS Consultants, Inc., including all references.

Monitoring wells labeled as "Unidentified MW" located by a Sub-meter GPS survey performed by Earth Tech, November 2007.

PLAN

150 0 125 250 500

(IN FEET)
1 inch = 250 ft.

EARTH TECH | AECOM

FIGURE 2
GROUNDWATER MONITORING LOCATIONS AND GROUNDWATER FLOW
FORT EDWARD LANDFILL
NYSDEC SITE #5-58-001
Town of Fort Edward, Washington County

Date: January, 2009 Project No.: 99163

FIGURE 3

TOTAL VOCs in GROUNDWATER
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

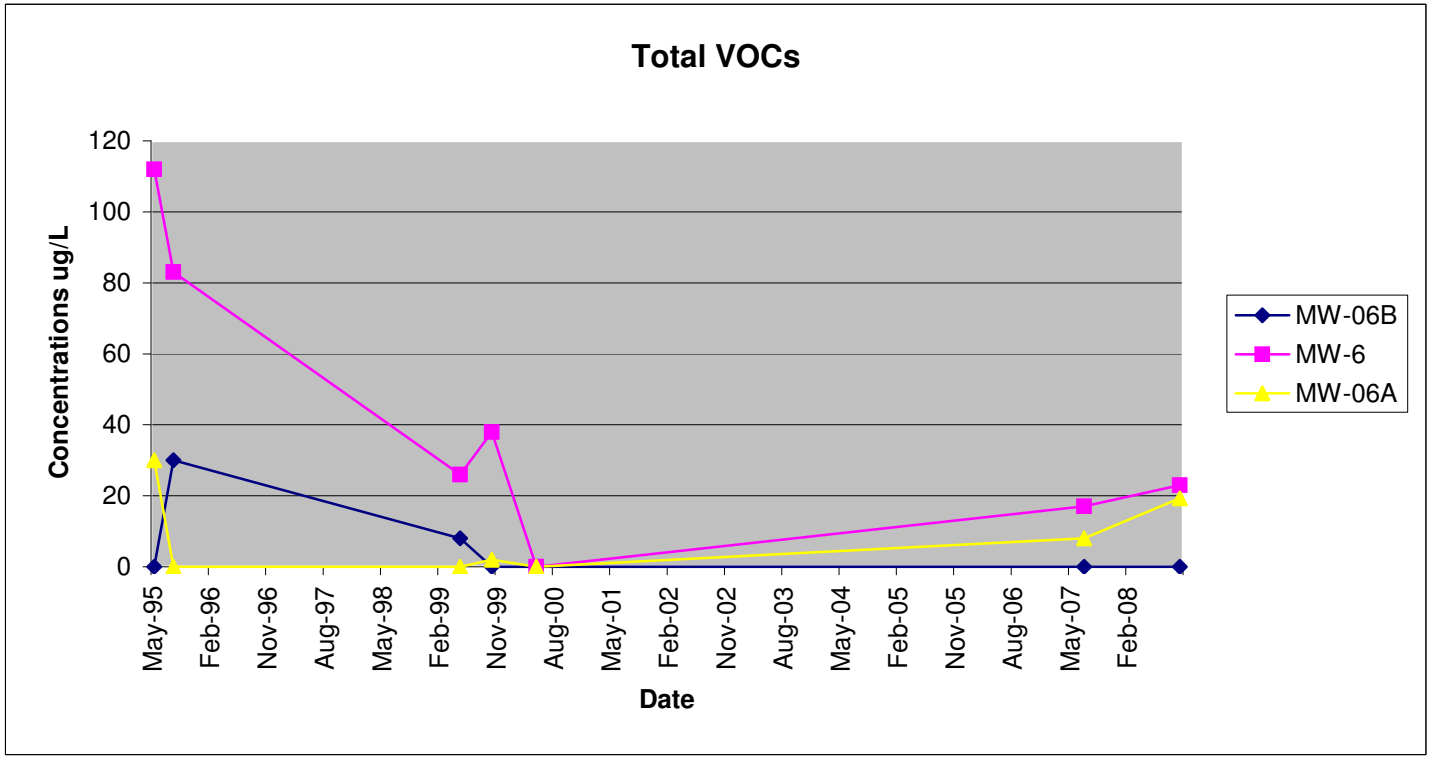
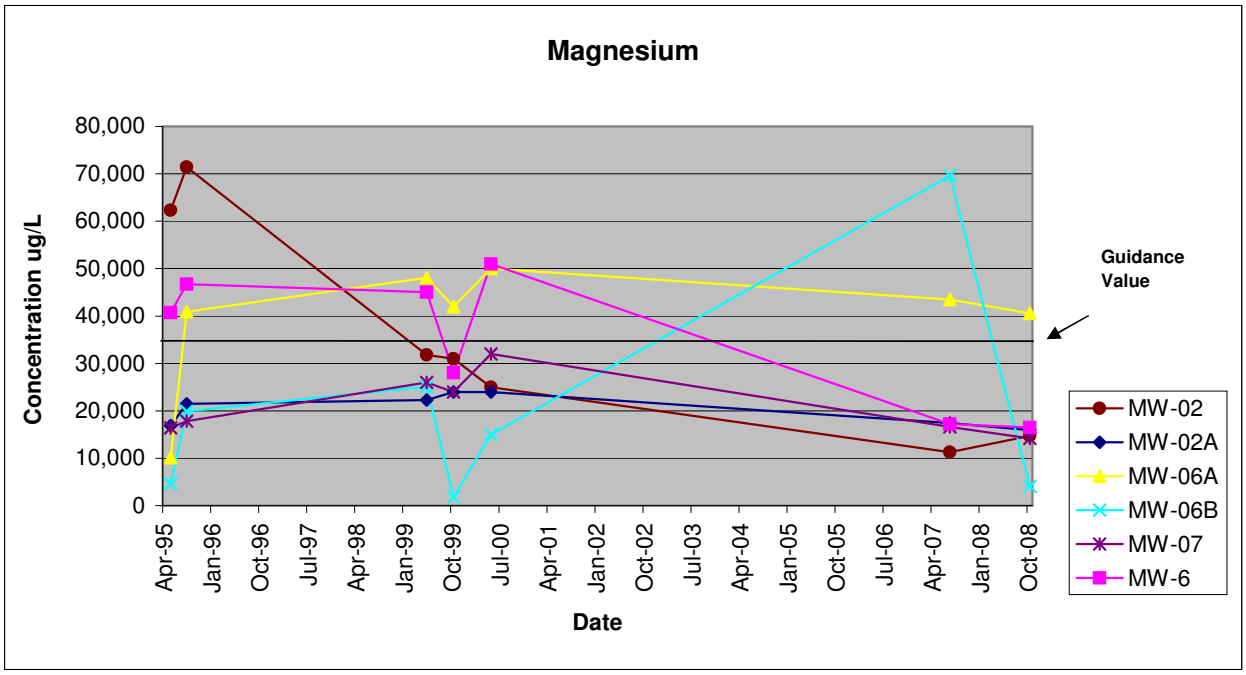


FIGURE 4

SELECTED METALS DATA in GROUNDWATER
Fort Edward Landfill
Town of Fort Edward, NY
Site No. 5-58-001



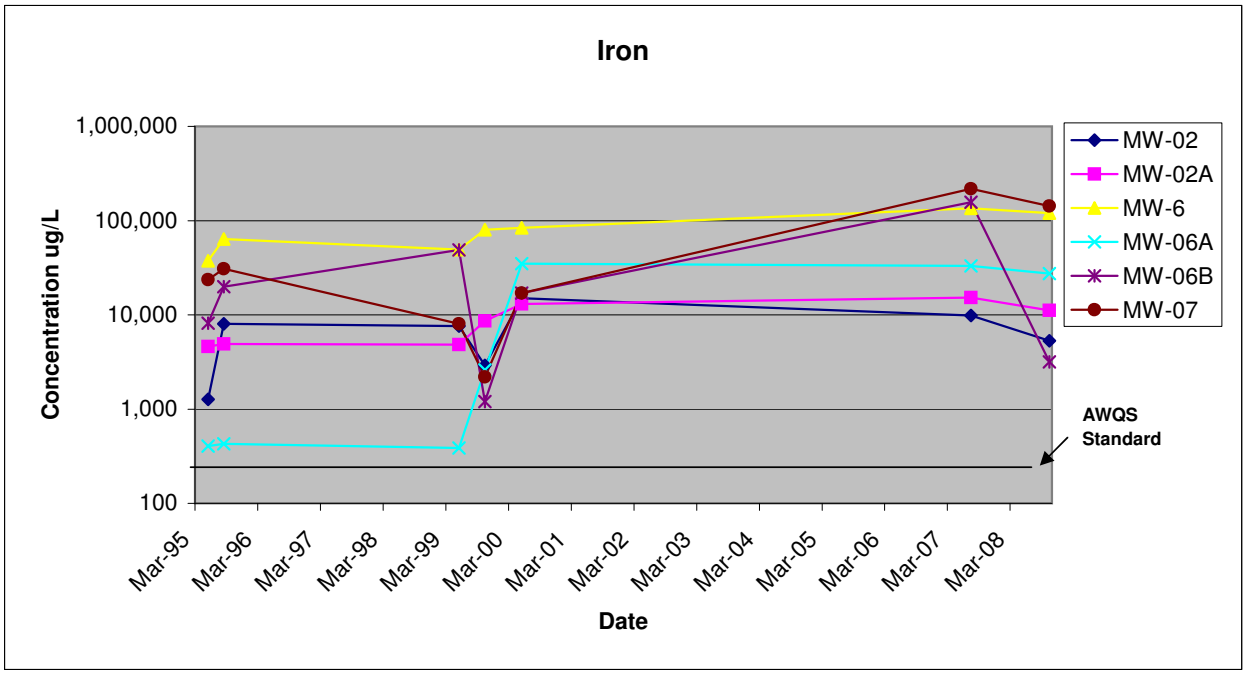
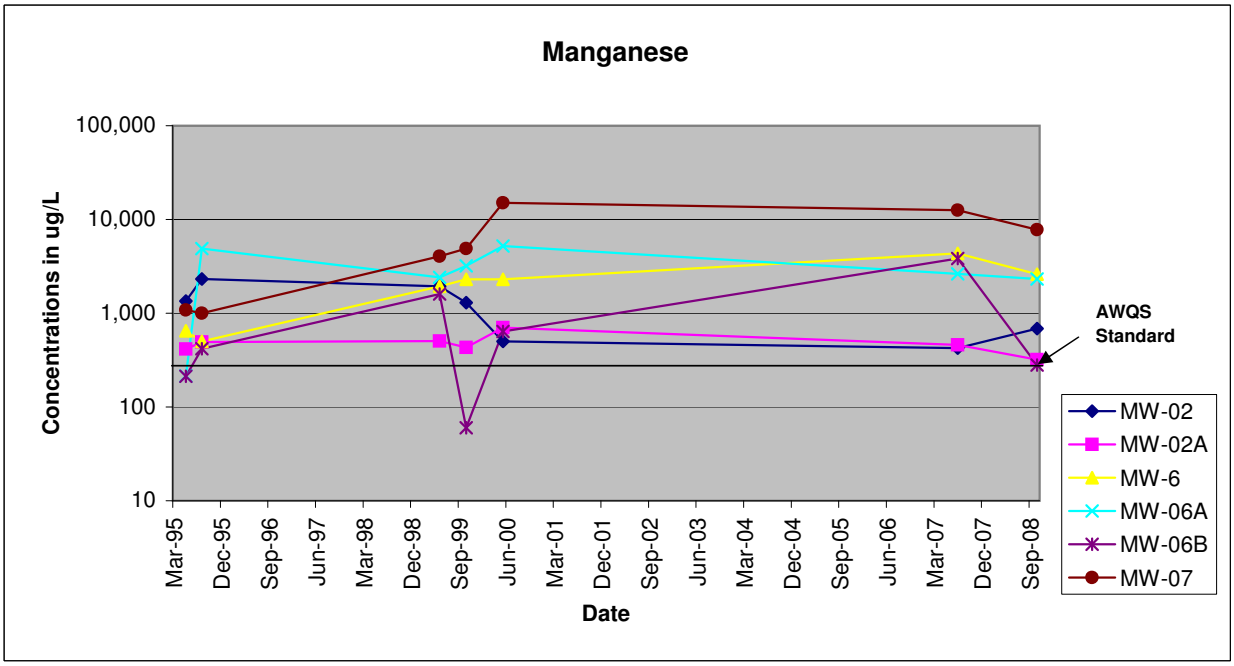
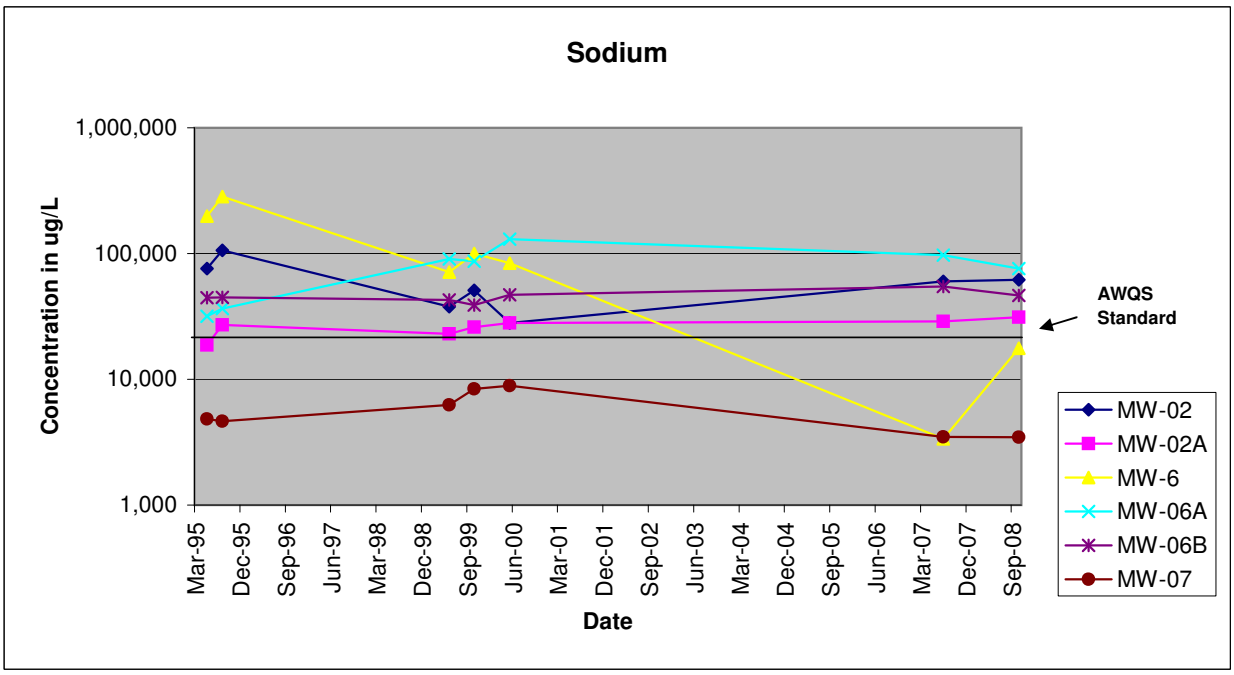


FIGURE 5

SELECTED METALS DATA in GROUNDWATER
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001





Appendix A
Monitoring Well Field Inspection Logs

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: LON 5-58-001
INSPECTOR: Hoose - Joseph Menzel
DATE/TIME: 10/29/08
WELL ID.: - New Well

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) (Trimble) And/Or Magellan
NYTMX-616353.002 NYTmY-4794150.236

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: Newman Dairy Well

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel - 39"
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 2"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 22.13'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 7.04
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: on casing
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Through locked gate, level to well. 0.344 locks

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Open area, SE area of site, outside of gate. ~30-40' feet from edge

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

—

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: LGC' 5-58-001
INSPECTOR: H0052 Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:____ Satelites:____		
GPS Method (circle) Trimble And/Or Magellan		
NYTMx - 615906.944 NYTMy - 4794162.239		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	no	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 44"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	48.6'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	38.52	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	no casing	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Side Hill - SW area. uphill from MW-1A

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Open field, side hill.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

—

REMARKS:

Well located on URS Figure 2-1.

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lor 5-58-001
INSPECTOR: Hoosed Joseph Menzel
DATE/TIME: 10/29/08
Well ID.: MW-1A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:____ Satelites:____		
GPS Method (circle) (Trimble) And/Or Magellan		
NYTM X - 615911.258 NYTM Y - 4794162.435		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓ Vudy	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 39"
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	65.07'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	30.51
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	in casing
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Side hill - SW area. Easy Access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Open field, side hill.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

—

REMARKS:

Well located on URS figure 2-1.

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lon' 5-58-001
INSPECTOR: Hood & Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-1D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) (Trimble) And/Or Magellan
NYTM X - 615899.504 NYTM Y - 4794165 - 069

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		✓

HEADSPACE READING (ppm) AND INSTRUMENT USED: no
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel - 13"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 171.15'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 45.34
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: ~~N/A~~
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Side hill - SW area.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well lid does stay on

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

REMARKS:

Well located on URS figure 2-1.

Well casing dented.

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lon' 5-58-001
INSPECTOR: Hoose & Joseph Menzel
DATE/TIME: 10/29/08
WELL ID.: MW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) (Trimble) And/Or Magellan		
NYTM X - 616099.856 NYTM Y - 4794135.700		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	.7	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 21.5"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.24'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.04	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Located through gate in fence, south part of site.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Side hill, fairly steep ~ 6 - 8 feet from fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

none

REMARKS:

Not able to lock, double steel casing.

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: 5-58-001
INSPECTOR: Lori Hosek / Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-2A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder: _____ Satelites: _____		
GPS Method (circle) Trimble And/Or Magellan		
NYTM-X - 616101.551 NYTM Y - 4794135.961		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	.4 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 16"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	26.8'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.73	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Steep incline to well.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Side hill, ~ 4 - 5 feet from fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

none

REMARKS:

~~Not able to lock, double steel casing.~~ new locks working

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: LON 5-58-001
INSPECTOR: HOOSER & Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:____ Satelites:____		
GPS Method (circle) Trimble And/Or Magellan		
NYTM X - 616348.481 NYTM Y - 4794336.198		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: None		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		
HEADSPACE READING (ppm) AND INSTRUMENT USED	ND	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 24"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?	~~✓~~	✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?		
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	N/M	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	N/M	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	ok	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

East side of landfill, along pond.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located in field near pond on east side of landfill.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

none

REMARKS:

Well Pinched - Should drill hole after fixing (weep hole)

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lor 5-58-001
INSPECTOR: Hoover Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) (Trimble) And/Or Magellan		
NYTMX - 616312.341 NYTMY - 4794454.370		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	0	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 26"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	17.90'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.08	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	Steel	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	on casing	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

MW-6 cluster, located NE corner of landfill, adjacent to fence line.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

3 well together

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

none

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: 5-58-001
INSPECTOR: Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-6A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [illegible]		

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan
NYTM X - 616312.028 NYTM Y - 4794457.119

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED..... 2.1 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Steel - 20"
PROTECTIVE CASING MATERIAL TYPE: ..... Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): ..... 4"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ..... 61.30'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 10.50
MEASURE WELL DIAMETER (Inches): ..... 2"
WELL CASING MATERIAL: ..... PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE .....
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

MW-6 cluster, located NE corner of landfill, adjacent to fence line.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

No problem - well in good condition

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

None

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

MONITORING WELL FIELD INSPECTION LOG

SITE ID.: Lon 5-58-001
INSPECTOR: Hoose Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-6B

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:____ Satelites:____		
GPS Method (circle) Trimble And/Or Magellan		
NYTM X - 616311.624 NYTM Y - 4794456.498		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED		0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		PVC - 23"
PROTECTIVE CASING MATERIAL TYPE:		Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		4"
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):		81.70'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		15.94
MEASURE WELL DIAMETER (Inches):		2"
WELL CASING MATERIAL:		Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING:		Good on casing
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

MW-6 cluster, located NE corner of landfill, adjacent to fence line.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Good

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

none

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

MONITORING WELL FIELD INSPECTION LOG

SITE ID.: 5-58-001
INSPECTOR: Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-7A

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) (Trimble) And/Or Magellan		
NYTM X - 616115.114 NYTM Y - 4794449.359		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 45"
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?	✓	~~✓~~
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	27.50'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	16.97
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	on Casing
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

North of landfill, near fence line.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Need cap and Lock

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

none

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lori 5-58-001
INSPECTOR: Hoose Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: MW-8

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) (Trimble) And/Or Magellan
NYTM X - 615890.833 NYTM Y - 4794327.700

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 1.6 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel - .94'
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?		✓ not real!
DID YOU REPLACE THE LOCK?	✓	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 12.38'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 8.03
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: on casing
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

North west outside of gate, open field.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Side hill, open area. in reeds & grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

None

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: 5-58-001
INSPECTOR: Lori Hoose & Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: Unidentifed MW (Southwest)

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan
NYTMX - 615934.072 NYTMY - 4794122.008

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		

HEADSPACE READING (ppm) AND INSTRUMENT USED:
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel - 36"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ~~36.62'~~ 36.86
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): Dry
MEASURE WELL DIAMETER (Inches): 2" 1" PVC
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION/OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: no
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Near fence line. Well located on southwest corner of landfill, just inside gate abuting fence.
South of MW cluster, west end of landfill.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Bee's nest - Adjacent to Fence / near gate
1" PVC w/in 2"

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

NO

REMARKS:

—

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: Lori 5-58-001
INSPECTOR: Howe & Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: Unidentifed MW (South)

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____ [redacted]		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) (Trimble) And/Or Magellan		
NYTmX - 616107.573 NYTmY - 4794232.668		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		✓
HEADSPACE READING (ppm) AND INSTRUMENT USED	.5	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 36"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	7.10 - Can't get no water past	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well located on top of landfill, south of access road.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well need work, no upper casing - PVC Broken.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

None -

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: 5-58-001
INSPECTOR: Lori Hoose / Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: Unidentifed MW (Southeast)

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
NYTMX - 616351.460 NYTMY - 4794179.457		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)		✓
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel - 24.5"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	7.87'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.01'	
MEASURE WELL DIAMETER (Inches):	4"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well located on lower end of rip rap in swamp weeds, south east corner of access road.

SWAMP

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located in swamp at Bottom of rip rap south of RW By 35' north of new MW # 70'

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

NA

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill, Fort Edward, NY

SITE ID.: 5-58-001
INSPECTOR: Lori Hoose & Joseph Menzel
DATE/TIME: 10/27/08
WELL ID.: Unidentifed MW (North)

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X____ NYTM Y____ [redacted]
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan
NYTM X - 616038.841 NYTM Y - 4794320.116

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel - 36"
PROTECTIVE CASING MATERIAL TYPE: Steel - 36"
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ~~BTOC~~ 44.5'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): Dry
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: ok
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well located on top of landfill, north of access road.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)
AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

none

REMARKS:

-

Sketch

APPENDIX B

Field Observation Logs – Groundwater Sampling Records

FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME: Ft. Edward Landfill
DATE: 10/27/08
SAMPLER(S): Joe Menzel (Geologic NY Inc)
SITE #: 5-58-001
ADDRESS: Fort Edward, New York
Work Assignment: D004445-19
Weather: Sunny 50's
Time of Arrival: 8:00 am 10/27/08
Time of Departure: 5:30 pm 10/27/08

Well ID	MW-01	MW-1A	MW-02	MW-2A	Comments
Well Depth MEASURED	48.6	65.07'	18.24	26.8'	
Well Diameter	2"	2"	2"	2"	
Well Construction PVC Stain Steel	PVC	PVC	PVC	PVC	
Well Condition Good, Fair, Poor	Good	Good	Good	Good	
Depth to Water	38.52	30.51	8.02	8.73	
Volume to Purge	9	15	5.0 gal	9 gal	
Volume Purged	9		7.5 gal		
Sampling Depth to Water	32.'	55'	8.52'	18.1'	
Color	Clear	clear	Clear	clear	
Odor	NON	NON	NON	NON	
Temperature	11.1 C	11.1 C	13.7 C	12.7 C	
Conductivity	.55 mS	.17 mS	0.86 mS	.55 mS	
pH	7.0	7.4	7.8	7.3	
Turbidity	36.42 NTU	117.5 NTU	10.67 NTU	33.8 NTU	
Date & Time	10-27-08 4:20	10-27-08 4:55	10-27-08 10:35	10:27-08 11:10	
Purging Method: Submersible or Peristaltic Pump	New bailer	New bailer	submersible pump	Submersible pump	

11 2 11.1
6.8 7.4
18.17

FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME:	Ft. Edward Landfill	**DATE:**	**SAMPLER(S):** Joe Menzel (Geologic NY Inc)
SITE #:	5-58-001	**ADDRESS:**	Fort Edward, New York
Work Assignment:	D004445-19		

Weather: Rain 50's **Time of Arrival:** 8:00 am 10/27/08 **Time of Departure:** 5:30 pm 10/27/08

Well ID	New MW	MW-6	MW-6A	MW-6B	Comments
Well Depth MEASURED	22.13'	19.7'	61.30'	81.70'	
Well Diameter	2"	2"	2"	2"	
Well Construction PVC Stain Steel	PVC	PVC	PVC	PVC	
Well Condition Good, Fair, Poor	Good	Good	Good	Good	
Depth to Water	7.04'	8.08'	10.50'	15.94'	
Volume to Purge	7.5 gal	5 gal	24 gal	29 gal	
Volume Purged	8.0 gal	5 gal	24 gal	21 Dry	
Sampling Depth to Water	14.0	13.0'	37'	69'	
Color	Clear	Clear	clear	cloudy gray	
Odor	NON	yes	NO	NO	
Temperature	11.2 c	14.2 c	12.9 c	12.5 C	
Conductivity	2.23 mS	.98 mS	1.38 mS	0.3 µS	
pH	7.7	6.7	7.1	8.3	
Turbidity	1.48 NTU	12.26 NTU	.48 NTU	350.5 NTU	
Date & Time	10-27-08 11:50	10-27-08 12:30	10-27-08 1:45	10-27-08 2:15	
Purging Method: Submersible or Peristaltic Pump	Sub pump	Sub pump	Sub pump	Sub pump 9 gal Then Bailed	
		Dup →	C-O-C labelled MW-	6C	

12.1 11.7 11.2 13.8 14.2 14.2 12.8 12.8 12.9 13.1 12.8
7.5 7.7 7.7 7.6 6.7 6.7 1.32 1.38 7.9 8.0
2.05 2.2 1.03 .99 .98 7.2 7.1 .27 .25
3
16
50
20
15
60

Dup GC @ 12:40

FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME: Ft. Edward Landfill
DATE:
SAMPLER(S): Joe Menzel (Geologic NY Inc)
SITE #: 5-58-001
ADDRESS: Fort Edward, New York
Work Assignment: D004445-19
Weather: 40's Rain
Time of Arrival: 7:30 am 10/28/08
Time of Departure: 9:30 am 10/28/08

Well ID	MW-7	MW-8			Comments
Well Depth MEASURED	27.5'	12.38'			
Well Diameter	2"	2"			
Well Construction PVC Stain Steel	PVC	PVC			
Well Condition Good, Fair, Poor	Good	Good			
Depth to Water	16.97'	8.03'			
Volume to Purge	4.8 gal	4.5 gal			
Volume Purged	5 gal	4.5 gal			
Sampling Depth to Water	20.5'	10.'			
Color	clear	clear			
Odor	NON	NON			
Temperature	12.8 C	13.1 C			
Conductivity	.92	.38			
pH	6.1	8.1			
Turbidity	2.52 NTU	2.98 NTU			
Date & Time	10-27-08 2:55	10-28-08 8:15			
Purging Method: Submersible or Peristaltic Pump	Sub Pump then Bailer	sub pump			

APPENDIX C

Laboratory Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

November 21, 2008

Earth Tech | AECOM
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: Fort Edward Landfill, Reference Number: 99163.02
Lab Project #: G1956

Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Fort Edward Landfill **SDG :** G1956

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-01	G1956-01	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-01	G1956-01				ILM4.1_ICP_W	
MW-1A	G1956-02	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-1A	G1956-02				ILM4.1_ICP_W	
MW-02	G1956-03	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-02	G1956-03				ILM4.1_ICP_W	
MW-2A	G1956-04	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-2A	G1956-04				ILM4.1_ICP_W	
NEW MONITORING WELL	G1956-05	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
NEW MONITORING WELL	G1956-05				ILM4.1_ICP_W	
MW-6	G1956-06	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-6	G1956-06				ILM4.1_ICP_W	
MW-6A	G1956-07	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-6A	G1956-07				ILM4.1_ICP_W	
MW-6B	G1956-08	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-6B	G1956-08				ILM4.1_ICP_W	
MW-7	G1956-09	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-7	G1956-09				ILM4.1_ICP_W	
MW-8	G1956-10	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	
MW-8	G1956-10				ILM4.1_ICP_W	
MW-6C	G1956-11	OLM4.2_VOA_W				
BLANK	G1956-12	OLM4.2_VOA_W				

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Fort Edward Landfill **SDG :** G1956

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G1956-01A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-02A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-03A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-04A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-05A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-06A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-07A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-08A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-09A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-10A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-11A	AQ	10/27/2008	10/29/2008	NA	11/5/2008
G1956-12A	AQ	10/27/2008	10/29/2008	NA	11/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Fort Edward Landfill **SDG :** G1956

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
G1956-01B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-02B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-03B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-04B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-05B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-06B	AQ	10/27/2008	10/29/2008	10/30/2008	11/12/2008
G1956-07B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-08B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-09B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008
G1956-10B	AQ	10/27/2008	10/29/2008	10/30/2008	11/5/2008

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Fort Edward Landfill **SDG :** G1956

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G1956-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-03A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-04A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-05A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-06A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-07A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-08A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-09A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-10A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-11A	AQ	OLM4.2_VOA_W	NA	LOW	1
G1956-12A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Fort Edward Landfill **SDG :** G1956

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
G1956-01B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-02B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-03B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-04B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-05B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-06B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-07B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-08B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-09B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1
G1956-10B	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Fort Edward Landfill **SDG :** G1956

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G1956-01C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-01CDUP	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-01CMS	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-02C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-03C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-04C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-05C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-06C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-07C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-08C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-09C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
G1956-10C	AQ	ILM4.1_HG_W	10/29/2008	11/3/2008
ILM4.1_ICP_W				
G1956-01C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-02C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-03C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-04C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-05C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-06C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-07C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-08C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-09C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-10C	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-10CDUP	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008
G1956-10CMS	AQ	ILM4.1_ICP_W	10/29/2008	11/10/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG1956

Mitkem Work Order ID: G1956

November 21, 2008

Prepared For:

Earth Tech | AECOM
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for twelve aqueous samples that were received on October 29, 2008. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols and reported per NYSDEC ASP requirement for Category A deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

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

2. OLM 4.3 Volatile Analysis:

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

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

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

Sample analysis: no unusual observation was made for the analysis.

3. PCB analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns.

Samples were not preserved.

Surrogate recovery: recoveries were within the QC limits with the exception of sample MW-01, MW-1A and MW-6B. Both surrogates were recovered low in these three samples. The surrogate recoveries were within the QC limits in the re-extracted analysis.

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

Sample analysis: samples MW-01, MW-1A and MW-6B were re-extracted outside of method recommended holding times. The re-extracted analyses can be differentiate by the "RX" after the sample ids. Please note the initial calibration for AR1016 and AR1260 were shared by the two separate initial calibrations. The later one was created to include multi-level calibration for AR1221 that was detected in one of the samples. No other unusual observation was made for the analysis.

4. ILM 4.1 Metals Analysis:

All elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Samples were preserved with nitric acid with pH<2.

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

Matrix spike analysis: matrix spike was performed on sample MW-01 for mercury and on sample MW-8 for ICP analysis. Spike recoveries were within the QC limits.

Duplicate analysis: lab duplicate was performed on sample MW-01 for mercury and on sample MW-8 for ICP analysis. Replicate RPDs were within the QC limits with the exception of zinc in MW-8. This element is flagged with a "*" on the data reporting forms.

Sample analysis: serial dilution was performed on sample MW-8. Percent differences were within the QC limits with the exception of iron. Results for iron are flagged with an "E" on the data sheets. No other unusual observations were made during sample analysis.

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

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

Shirley Ng
Project Manager
11/21/08

Sample Transmittal Documentation

Mitkem Laboratories — *21/Nov/08 13:58* — WorkOrder: G1956

Client ID: EARTH_NY **Case:** **HC Due:** 11/19/08 **Report Level:** ASP-A
Project: Fort Edward Landfill **SDG:** **Fax Due:** 11/12/08 **EDD:**
Location: **PO:** 99163.04
Comments: under contract D004445-18-19-20-21-MIT-01

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G1956-01A	MW-01	10/27/2008 16:20	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-01B	MW-01	10/27/2008 16:20	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-01C	MW-01	10/27/2008 16:20	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-02A	MW-1A	10/27/2008 16:55	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-02B	MW-1A	10/27/2008 16:55	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-02C	MW-1A	10/27/2008 16:55	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-03A	MW-02	10/27/2008 10:35	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-03B	MW-02	10/27/2008 10:35	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-03C	MW-02	10/27/2008 10:35	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1

Client Rep: Shirley S Ng

Client ID: EARTH_NY **Case:** **HC Due:** 11/19/08 **Report Level:** ASP-A
Project: Fort Edward Landfill **SDG:** **Fax Due:** 11/12/08 **EDD:**
Location: **PO:** 99163.04
Comments: under contract D004445-18-19-20-21-MIT-01

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G1956-03C	MW-02	10/27/2008 10:35	10/29/2008	Aqueous	ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-04A	MW-2A	10/27/2008 11:10	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-04B	MW-2A	10/27/2008 11:10	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-04C	MW-2A	10/27/2008 11:10	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-05A	NEW MONITORING WELL	10/27/2008 11:50	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-05B	NEW MONITORING WELL	10/27/2008 11:50	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-05C	NEW MONITORING WELL	10/27/2008 11:50	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-06A	MW-6	10/27/2008 12:30	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-06B	MW-6	10/27/2008 12:30	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO

Client Rep: Shirley S Ng

Client ID: EARTH_NY **Case:** **HC Due:** 11/19/08 **Report Level:** ASP-A
Project: Fort Edward Landfill **SDG:** **Fax Due:** 11/12/08 **EDD:**
Location: **PO:** 99163.04
Comments: under contract D004445-18-19-20-21-MIT-01

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G1956-06C	MW-6	10/27/2008 12:30	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-07A	MW-6A	10/27/2008 13:45	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-07B	MW-6A	10/27/2008 13:45	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-07C	MW-6A	10/27/2008 13:45	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-08A	MW-6B	10/27/2008 14:15	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-08B	MW-6B	10/27/2008 14:15	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-08C	MW-6B	10/27/2008 14:15	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-09A	MW-7	10/27/2008 14:55	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Client ID: EARTH_NY **Case:** **HC Due:** 11/19/08 **Report Level:** ASP-A
Project: Fort Edward Landfill **SDG:** **Fax Due:** 11/12/08 **EDD:**
Location: **PO:** 99163.04
Comments: under contract D004445-18-19-20-21-MIT-01

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G1956-09B	MW-7	10/27/2008 14:55	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-09C	MW-7	10/27/2008 14:55	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-10A	MW-8	10/27/2008 8:15	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-10B	MW-8	10/27/2008 8:15	10/29/2008	Aqueous	SW8082_W	RL 0.065 ug/L, use 6 level ICAL	☐	☐	☑	I FLOO
G1956-10C	MW-8	10/27/2008 8:15	10/29/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G1956-11A	MW-6C	10/27/2008 12:40	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G1956-12A	BLANK	10/27/2008 0:00	10/29/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [X] Standard TAT - 10 to 15 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Earth Tech
40 British American Blvd.
Latham, NY 12110

Project Mgr.: Lori Hoose

Invoice To: Steve Choiseri
Earth Tech
40 British American Blvd.
Latham, NY 12110

P.O. No.: 99163 RQN: _____

Project No.: 5-58-001
Site Name: Ft. Edward Landfill
Location: Ft. Edward State: NY
Sampler(s) Joseph Menzel

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 2, 4 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TCL VOA 8260	PCB 8082	CLP Metals
61956-01	MW-01	10-27-08	4:20	G	GW	9	2	2		1	✓	✓	✓
02	MW-1B		4:55								✓	✓	✓
03	MW-02		10:35								✓	✓	✓
04	MW-2A		11:10								✓	✓	✓
05	New monitoring well		11:50								✓	✓	✓
06	MW-6		12:30								✓	✓	✓
07	MW-6A		1:45								✓	✓	✓
08	MW-6B		2:15								✓	✓	✓
09	MW-7		2:55								✓	✓	✓
61956-10	MW-8	10-28-08	8:15								✓	✓	✓

QA Reporting Notes: (check if needed)
- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DEP RCP Report

QA/QC Reporting Level
- [X] Standard
- [ ] No QC
- [ ] Other _____

State specific reporting standards: _____

- [ ] Fax results when available to (____) _____
- [X] E-mail to Lori.Hoose@aecom.com
- EDD Format _____

Condition upon receipt: [ ] Iced [ ] Ambient [ ] °C Lvc

Relinquished by:	Received by:	Date:	Time:
Joseph Menzel	[illegible]	10/29/08	1130

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [X] Standard TAT - 10 to 15 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Earth Tech
40 British American Blvd.
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Project Mgr.: Lori Hoose

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40 British American Blvd.
Latham, NY 12110

P.O. No.: 99163 RQN: _____

Project No.: 5-58-001
Site Name: Ft. Edward Landfill
Location: Ft. Edward State: NY
Sampler(s) Joseph Menzel

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 1,1,1-TCA 8260	QA Reporting Notes: (check if needed)
61956-11	MW-6C	10-27-08	12:40	G	GW	2	2				✓	☐ Provide MA DEP MCP CAM Report ☐ Provide CT DEP RCP Report **QA/QC Reporting Level** [X] Standard ☐ No QC ☐ Other _____ State specific reporting standards:
61956-12	Blank						4					

☐ Fax results when available to (____) _____
[X] E-mail to Lori.Hoose@aecom.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 6°C

Relinquished by:	Received by:	Date:	Time:
Joseph Menzel	C Nadeau	10/29/08	11:30

9011

MITKEM LABORATORIES
Sample Condition Form

Received By: CAW | Reviewed By: VEG | Date: 10/29/08 | MITKEM Workorder #: 61956

Client Project: Ft Edward Landfill | Client: EA/H Tech

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) ~~Present~~ / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 6°C 6°C 6°C
Coolant Condition Ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) UPS
1Z67535 0052
1Z67535 0034
1Z67535 0061

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 10/29/08

9) Time Received 11:30

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
61956	01						H	
	02							
	03							
	04							
	05							
	06							
	07							
	08							
	09							
	10							
	11							
61956	12						H	

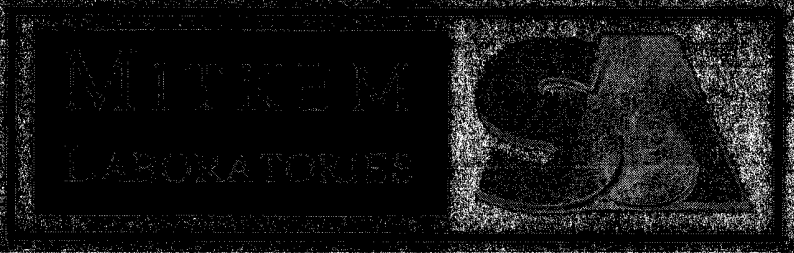
CAW 10/29/08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no


MERIEUX
LABORATOIRES

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2241.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2241.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-1A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2242.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-1A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2242.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2243.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2243.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2244.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2244.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NEW MONITORING WELL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2245.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NEW MONITORING WELL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2245.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2246.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2246.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	23	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2247.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2247.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	5.2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	4.6	J
106-46-7	1,4-Dichlorobenzene	2.3	J
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	7.2	J

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2284.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2284.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2285.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2285.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2286.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2286.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6C

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2287.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6C

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2287.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	24	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2288.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2288.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V6ALCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39814

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2237.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	36	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	40	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	38	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	41	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V6ALCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39814

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2237.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (TOL) #	VDMC2 (BFB) #	VDMC3 (DCE) #					TOT OUT
01	VBLKA6	103	92	92					0
02	V6ALCS	101	92	94					0
03	MW-01	103	89	95					0
04	MW-1A	105	86	89					0
05	MW-02	103	89	93					0
06	MW-2A	104	89	96					0
07	NEW MONITORING WELL	102	88	96					0
08	MW-6	102	90	93					0
09	MW-6A	103	88	92					0
10	VBLKB6	99	92	96					0
11	MW-6B	103	87	92					0
12	MW-7	101	90	93					0
13	MW-8	102	88	93					0
14	MW-6C	98	89	90					0
15	BLANK	102	87	94					0
16	VHBLK6C	101	87	91					0

		QC LIMITS
VDMC1	(TOL) = Toluene-d8	(88-110)
VDMC2	(BFB) = Bromofluorobenzene	(86-115)
VDMC3	(DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLM

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
V6ALCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab Sample ID: LCS-39814 LCS Lot No.:

Date Extracted: 11/04/2008 Date Analyzed (1): 11/05/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	50.0000	0.0000	36.1647	72		61 - 145
Benzene	50.0000	0.0000	40.3329	81		76 - 127
Trichloroethene	50.0000	0.0000	37.8562	76		71 - 120
Toluene	50.0000	0.0000	41.1756	82		76 - 125
Chlorobenzene	50.0000	0.0000	43.3015	87		75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKA6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab File ID: V6G2236.D Lab Sample ID: MB-39814

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 03:04

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6ALCS	LCS-39814	V6G2237.D	03:32
02	MW-01	G1956-01A	V6G2241.D	05:22
03	MW-1A	G1956-02A	V6G2242.D	05:49
04	MW-02	G1956-03A	V6G2243.D	06:16
05	MW-2A	G1956-04A	V6G2244.D	06:43
06	NEW MONITORING WELL	G1956-05A	V6G2245.D	07:11
07	MW-6	G1956-06A	V6G2246.D	07:38
08	MW-6A	G1956-07A	V6G2247.D	08:05

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKA6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39814

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2236.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKA6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39814

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2236.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
VBLKB6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab File ID: V6G2281.D Lab Sample ID: MB-39846

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/05/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 20:26

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-6B	G1956-08A	V6G2284.D	21:49
02	MW-7	G1956-09A	V6G2285.D	22:16
03	MW-8	G1956-10A	V6G2286.D	22:43
04	MW-6C	G1956-11A	V6G2287.D	23:10
05	BLANK	G1956-12A	V6G2288.D	23:38
06	VHBLK6C	VHBLK6C	V6G2296.D	03:18

COMMENTS:

EPA OLM

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39846

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2281.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	2.5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKB6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39846

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2281.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/05/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK6C

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK6C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2296.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

% Moisture: not dec. Date Analyzed: 11/06/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	2.5	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK6C

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK6C

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2296.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/29/2008

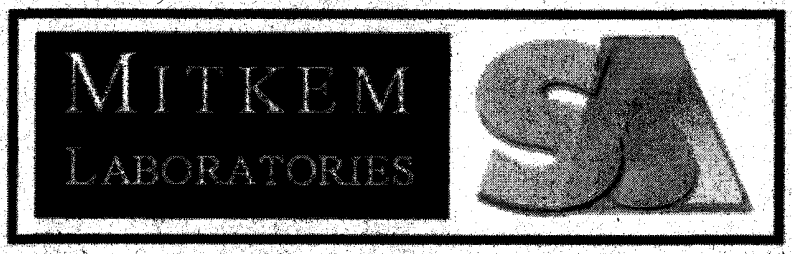
% Moisture: not dec. Date Analyzed: 11/06/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U



* PCB Organics *

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2337F.D/E1H2337R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01RX

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-01BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2473F.D/E1H2473R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2338F.D/E1H2338R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1ARX

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-02BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2474F.D/E1H2474R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2339F.D/E1H2339R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2340F.D/E1H2340R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NEW MONITORING WELL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2341F.D/E1H2341R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2518F.D/E1H2518R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.43	
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2348F.D/E1H2348R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2349F.D/E1H2349R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6BRX

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-08BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2475F.D/E1H2475R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2350F.D/E1H2350R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1956-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2351F.D/E1H2351R.D

% Moisture: Decanted: (Y/N) Date Received: 10/29/2008

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS1I(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39685

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2335F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.29	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.40	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS1I(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39685

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2335R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.32	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.38	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39935

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2470F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.29	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.33	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39935

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2470R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.34	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.35	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCSD1I(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-39685

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2336F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.26	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.36	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCSD1I(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-39685

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2336R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.29	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.35	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCSD1N(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-39935

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2471F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.32	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.38	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCSD1N(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-39935

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2471R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.37	
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.40	

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK1I	53		54		74		73				0
02	ALCS1I	48		50		80		81				0
03	ALCSD1I	43		45		77		81				0
04	MW-01	17	*	17	*	26	*	28	*			4
05	MW-1A	15	*	17	*	35	*	34	*			4
06	MW-02	48		48		65		67				0
07	MW-2A	38		38		65		70				0
08	NEW MONITORING WELL	32		34		64		70				0
09	MW-6A	36		39		46		52				0
10	MW-6B	23	*	25	*	32	*	35	*			4
11	MW-7	53		53		59		65				0
12	MW-8	53		53		51		59				0
13	ABLK1N	58		62		80		85				0
14	ALCS1N	52		55		64		67				0
15	ALCSD1N	62		66		79		86				0
16	MW-01RX	38		39		48		56				0
17	MW-1ARX	116	*	33		42		49				1
18	MW-6BRX	77		39		35	*	46				1
19	MW-6	49		48		64		66				0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(32-89)
DCB = Decachlorobiphenyl	(40-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

ALCS1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab Sample ID: LCS-39685 LCS Lot No.:

Date Extracted: 10/30/2008 Date Analyzed (1): 11/05/2008

Instrument ID (1): E1 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.2931	73		25-145
Aroclor-1260	0.4000	0.3969	99		30-145

Instrument ID (2): E1 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/05/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.3204	80		25-145
Aroclor-1260	0.4000	0.3829	96		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

ALCSD1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab Sample ID: LCSD-39685 LCS Lot No.:

Date Extracted: 10/30/2008 Date Analyzed (1): 11/05/2008

Instrument ID (1): E1 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.2623	66		25-145
Aroclor-1260	0.4000	0.3627	91		30-145

Instrument ID (2): E1 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/05/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.2927	73		25-145
Aroclor-1260	0.4000	0.3502	88		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

ALCS1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab Sample ID: LCS-39935 LCS Lot No.:

Date Extracted: 11/10/2008 Date Analyzed (1): 11/10/2008

Instrument ID (1): E1 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.2902	73		25-145
Aroclor-1260	0.4000	0.3303	83		30-145

Instrument ID (2): E1 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/10/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.3374	84		25-145
Aroclor-1260	0.4000	0.3533	88		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

ALCSD1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab Sample ID: LCSD-39935 LCS Lot No.:

Date Extracted: 11/10/2008 Date Analyzed (1): 11/10/2008

Instrument ID (1): E1 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.3165	79		25-145
Aroclor-1260	0.4000	0.3814	95		30-145

Instrument ID (2): E1 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/10/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.4000	0.3655	91		25-145
Aroclor-1260	0.4000	0.4019	100		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

EPA SAMPLE NO.

ABLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab File ID: E1H2334F.D / E1H2334R.D Lab Sample ID: MB-39685

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 10/30/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 11/05/2008 Date Analyzed (2): 11/05/2008

Time Analyzed (1): 18:39 Time Analyzed (2): 18:39

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS1I	LCS-39685	11/05/2008	11/05/2008
02	ALCSD1I	LCSD-39685	11/05/2008	11/05/2008
03	MW-01	G1956-01B	11/05/2008	11/05/2008
04	MW-1A	G1956-02B	11/05/2008	11/05/2008
05	MW-02	G1956-03B	11/05/2008	11/05/2008
06	MW-2A	G1956-04B	11/05/2008	11/05/2008
07	NEW MONITORING WELL	G1956-05B	11/05/2008	11/05/2008
08	MW-6A	G1956-07B	11/05/2008	11/05/2008
09	MW-6B	G1956-08B	11/05/2008	11/05/2008
10	MW-7	G1956-09B	11/05/2008	11/05/2008
11	MW-8	G1956-10B	11/05/2008	11/05/2008
12	MW-6	G1956-06B	11/12/2008	11/12/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK1I

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39685

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2334F.D/E1H2334R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/30/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/05/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

EPA SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Lab File ID: E1H2469F.D / E1H2469R.D Lab Sample ID: MB-39935

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 11/10/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 11/10/2008 Date Analyzed (2): 11/10/2008

Time Analyzed (1): 14:32 Time Analyzed (2): 14:32

Instrument ID (1): E1 Instrument ID (2): E1

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS1N	LCS-39935	11/10/2008	11/10/2008
02	ALCSD1N	LCSD-39935	11/10/2008	11/10/2008
03	MW-01RX	G1956-01BRE	11/10/2008	11/10/2008
04	MW-1ARX	G1956-02BRE	11/10/2008	11/10/2008
05	MW-6BRX	G1956-08BRE	11/10/2008	11/10/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK1N

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1956

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39935

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E1H2469F.D/E1H2469R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 11/10/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/2008

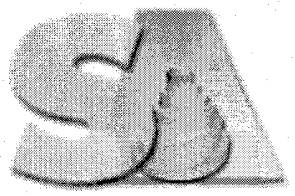
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

MITKEM
LABORATORIES



* Metals *

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
MW-01	G1956-01
MW-01D	G1956-01DUP
MW-01S	G1956-01MS
MW-02	G1956-03
MW-1A	G1956-02
MW-2A	G1956-04
MW-6	G1956-06
MW-6A	G1956-07
MW-6B	G1956-08
MW-7	G1956-09
MW-8	G1956-10
MW-8D	G1956-10DUP
MW-8S	G1956-10MS
NEW MONITORING WELL	G1956-05

Were ICP interelement corrections applied?	Yes/No	YES
Were background corrections applied?	Yes/No	YES
If yes-were raw data generated before application of background corrections?	Yes/No	NO

Comments:

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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Dawn E Smart Name: Dawn E. Smart

Date: 11/26/08 Title:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-01

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-01

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	169	B		P
7440-36-0	Antimony	4.5	B		P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium	26.4	B		P
7440-41-7	Beryllium	0.056	B		P
7440-43-9	Cadmium	0.33	B		P
7440-70-2	Calcium	53200			P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	13.1	B		P
7439-89-6	Iron	1170		E	P
7439-92-1	Lead	0.81	B		P
7439-95-4	Magnesium	12000			P
7439-96-5	Manganese	50.5			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	1430	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	44100			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	2.0	B		P
7440-66-6	Zinc	63.2		*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-02

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-03

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.4	U		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	24.3	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.43	B		P
7440-70-2	Calcium	81900			P
7440-47-3	Chromium	0.35	U		P
7440-48-4	Cobalt	0.59	B		P
7440-50-8	Copper	24.2	B		P
7439-89-6	Iron	5320		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	14700			P
7439-96-5	Manganese	684			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	2510	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	61700			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	5.8	B		P
7440-66-6	Zinc	26.0		*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-1A

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-02

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	996			P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	12.1			P
7440-39-3	Barium	29.6	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.59	B		P
7440-70-2	Calcium	22400			P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	11.6	B		P
7439-89-6	Iron	1630		E	P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	2580	B		P
7439-96-5	Manganese	123			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	3.5	B		P
7440-09-7	Potassium	910	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	24800			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	10.4	B		P
7440-66-6	Zinc	36.9		*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-2A

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-04

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.9	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	73.2	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.080	B		P
7440-70-2	Calcium	42600			P
7440-47-3	Chromium	0.35	U		P
7440-48-4	Cobalt	0.20	U		P
7440-50-8	Copper	4.3	B		P
7439-89-6	Iron	11200		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese	319			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	0.72	B		P
7440-09-7	Potassium	1850	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	31200			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.28	U		P
7440-66-6	Zinc	18.9	B	*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-06

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.4	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	17.5			P
7440-39-3	Barium	53.2	B		P
7440-41-7	Beryllium	0.036	B		P
7440-43-9	Cadmium	0.73	B		P
7440-70-2	Calcium	76100			P
7440-47-3	Chromium	0.35	U		P
7440-48-4	Cobalt	24.8	B		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	120000		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	16500			P
7439-96-5	Manganese	2610			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	6950			P
7782-49-2	Selenium	3.4	B		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	17700			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	18.4	B	*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6A

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-07

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.4	U		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	17.0			P
7440-39-3	Barium	184	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	0.35	U		P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	27400		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	40600			P
7439-96-5	Manganese	2320			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	19.1	B		P
7440-09-7	Potassium	9530			P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	76000			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.28	U		P
7440-66-6	Zinc	12.0	B	*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6B

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-08

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1720			P
7440-36-0	Antimony	3.6	B		P
7440-38-2	Arsenic	10	B		P
7440-39-3	Barium	54.8	B		P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	39.3			P
7440-70-2	Calcium	31800			P
7440-47-3	Chromium	2.7	B		P
7440-48-4	Cobalt	4.3	B		P
7440-50-8	Copper	21.8	B		P
7439-89-6	Iron	3160		E	P
7439-92-1	Lead	3.0	B		P
7439-95-4	Magnesium	4070	B		P
7439-96-5	Manganese	280			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	9.4	B		P
7440-09-7	Potassium	868	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	46400			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	4.8	B		P
7440-66-6	Zinc	71.6		*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-7

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-09

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15.3	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	7.0	B		P
7440-39-3	Barium	22.3	B		P
7440-41-7	Beryllium	0.034	B		P
7440-43-9	Cadmium	0.90	B		P
7440-70-2	Calcium	56900			P
7440-47-3	Chromium	0.35	U		P
7440-48-4	Cobalt	21.7	B		P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	143000		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	14200			P
7439-96-5	Manganese	7800			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	1650	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	3460	B		P
7440-28-0	Thallium	6.4	B		P
7440-62-2	Vanadium	0.28	U		P
7440-66-6	Zinc	17.2	B	*	P

Color Before YELLOW Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-8

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-10

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	139	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	3.5	B		P
7440-39-3	Barium	22.2	B		P
7440-41-7	Beryllium	0.065	B		P
7440-43-9	Cadmium	0.36	B		P
7440-70-2	Calcium	50500			P
7440-47-3	Chromium	0.71	B		P
7440-48-4	Cobalt	0.40	B		P
7440-50-8	Copper	8.1	B		P
7439-89-6	Iron	250		E	P
7439-92-1	Lead	1.1	B		P
7439-95-4	Magnesium	12100			P
7439-96-5	Manganese	71.5			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	1.2	B		P
7440-09-7	Potassium	797	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	13300			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.61	B		P
7440-66-6	Zinc	72.9		*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

NEW MONITORING WELL

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Lab Sample ID: G1956-05

Level (low/med): MED Date Received: 10/29/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.4	U		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	62.1	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.040	U		P
7440-70-2	Calcium	76200			P
7440-47-3	Chromium	0.40	B		P
7440-48-4	Cobalt	0.20	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	213		E	P
7439-92-1	Lead	0.40	U		P
7439-95-4	Magnesium	160000			P
7439-96-5	Manganese	30.7			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	2460	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	193000			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.28	U		P
7440-66-6	Zinc	10.5	B	*	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-39735

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS1_081103B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.046	B	-0.036	B	-0.046	B	-0.049	B	-0.045	B	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-39737

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA2_081103C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.4	U	7.4	U	-10.4	B	7.4	U	-10.298	B	
Arsenic	1.8	B	1.6	U	1.6	U	1.6	U	1.550	U	
Barium	1.7	B	0.9	B	0.5	B	0.8	B	0.731	B	
Beryllium	0.0	B	0.0	B	0.0	U	0.0	B	0.030	U	
Cadmium	0.0	B	0.1	B	0.1	B	0.1	B	0.040	U	
Calcium	36.7	U	36.7	U	36.7	U	52.6	B	75.431	B	
Chromium	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Cobalt	1.1	B	0.7	B	0.2	B	0.2	U	0.397	B	
Copper	3.3	B	2.7	B	3.6	B	3.5	B	5.099	B	
Iron	11.2	B	5.6	B	-9.7	B	-10.5	B	0.790	U	
Lead	0.4	U	0.4	U	0.4	U	0.4	U	0.534	B	
Magnesium	8.4	B	19.4	B	2.5	U	11.2	B	4.418	B	
Manganese	0.8	B	0.5	B	0.5	B	0.5	B	0.601	B	
Nickel	0.9	B	0.6	B	0.4	B	0.3	B	0.395	B	
Selenium	2.6	U	2.5	U	2.5	U	2.5	U	2.550	U	
Silver	0.4	U	0.3	U	0.3	U	0.3	U	0.350	U	
Thallium	2.1	U	2.1	U	2.1	U	2.1	U	2.140	U	
Vanadium	0.4	B	0.3	U	0.3	B	0.3	U	0.280	U	
Zinc	14.9	B	11.1	B	9.4	B	11.6	B	13.454	B	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA2_081103C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			7.4	U							
Arsenic			1.6	B							
Barium			0.8	B							
Beryllium			0.1	B							
Cadmium			0.1	B							
Calcium			36.7	U							
Chromium			0.4	B							
Cobalt			0.2	U							
Copper			3.3	B							
Iron			-14.6	B							
Lead			0.4	U							
Magnesium			8.2	B							
Manganese			0.5	B							
Nickel			0.2	B							
Selenium			2.5	U							
Silver			0.3	U							
Thallium			2.1	U							
Vanadium			0.3	U							
Zinc			11.3	B							

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-39737

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA3_081104A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	35.4	U	35.4	U	35.4	U	35.4	U	35.440	U	
Sodium	71.9	B	39.1	B	132.2	B	57.2	B	39.932	B	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-39737

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA3_081110A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Antimony	2.2	U	3.9	B	3.4	B	2.2	U	3.472	B	

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-01S

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75-125	0.9714		0.0100	U	1.00	97.1		CV

Comments:

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-8S

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2280.4165		138.7566	B	2000.00	107.1		P
Antimony	75-125	115.8528		2.1700	U	100.00	115.9		P
Arsenic	75-125	45.8092		3.5247	B	40.00	105.7		P
Barium	75-125	2241.9502		22.2227	B	2000.00	111.0		P
Beryllium	75-125	56.9068		0.0654	B	50.00	113.7		P
Cadmium	75-125	5.5821		0.3587	B	5.00	104.5		P
Chromium	75-125	224.2853		0.7141	B	200.00	111.8		P
Cobalt	75-125	541.6049		0.4022	B	500.00	108.2		P
Copper	75-125	268.5124		8.0756	B	250.00	104.2		P
Iron	75-125	1365.1073		250.3334		1000.00	111.5		P
Lead	75-125	21.7592		1.1021	B	20.00	103.3		P
Manganese	75-125	634.9294		71.4984		500.00	112.7		P
Nickel	75-125	532.0943		1.1779	B	500.00	106.2		P
Selenium	75-125	9.1420		2.5500	U	10.00	91.4		P
Silver	75-125	56.4247		0.3500	U	50.00	112.8		P
Thallium	75-125	53.6045		2.1400	U	50.00	107.2		P
Vanadium	75-125	551.9070		0.6064	B	500.00	110.3		P
Zinc	75-125	588.2393		72.8804		500.00	103.1		P

Comments:

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DUPLICATES

EPA SAMPLE NO.

MW-01D

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0100	U	0.0100	U			CV

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DUPLICATES

EPA SAMPLE NO.

MW-8D

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		138.7566	B	136.4873	B	1.6		P
Antimony		2.1700	U	2.1700	U			P
Arsenic		3.5247	B	2.0289	B	53.9		P
Barium		22.2227	B	20.8595	B	6.3		P
Beryllium		0.0654	B	0.0401	B	48		P
Cadmium		0.3587	B	0.2985	B	18.3		P
Calcium		50483.0968		49152.2062		2.7		P
Chromium		0.7141	B	0.6213	B	13.9		P
Cobalt		0.4022	B	0.3783	B	6.1		P
Copper		8.0756	B	5.7084	B	34.3		P
Iron	100.0	250.3334		236.1660		5.8		P
Lead		1.1021	B	0.4000	U	200		P
Magnesium	5000.0	12078.9081		11879.3167		1.7		P
Manganese	15.0	71.4984		73.3621		2.6		P
Nickel		1.1779	B	1.0003	B	16.3		P
Potassium		797.0710	B	757.6176	B	5.1		P
Selenium		2.5500	U	2.5500	U			P
Silver		0.3500	U	0.3500	U			P
Sodium	5000.0	13287.5218		12826.4214		3.5		P
Thallium		2.1400	U	2.1400	U			P
Vanadium		0.6064	B	0.6204	B	2.3		P
Zinc	20.0	72.8804		29.3471		85.2	*	P

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LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-39737

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9258.48	101.7						
Antimony	455.0	515.87	113.4						
Arsenic	455.0	491.61	108.0						
Barium	9100.0	9516.13	104.6						
Beryllium	227.0	243.24	107.2						
Cadmium	227.0	235.36	103.7						
Calcium	22700.0	23262.46	102.5						
Chromium	910.0	947.37	104.1						
Cobalt	2270.0	2345.27	103.3						
Copper	1130.0	1178.61	104.3						
Iron	4550.0	4793.80	105.4						
Lead	455.0	477.84	105.0						
Magnesium	22700.0	23351.19	102.9						
Manganese	2270.0	2426.88	106.9						
Nickel	2270.0	2335.59	102.9						
Potassium	22700.0	23892.73	105.3						
Selenium	455.0	473.95	104.2						
Silver	1130.0	1208.51	106.9						
Sodium	22700.0	23631.82	104.1						
Thallium	455.0	479.49	105.4						
Vanadium	2270.0	2364.11	104.1						
Zinc	2270.0	2438.49	107.4						

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

MW-8

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1956

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	138.76	B	95.61		31		P
Antimony	2.17	U	10.85	U			P
Arsenic	3.52	B	7.75	U	100		P
Barium	22.22	B	21.19		5		P
Beryllium	0.07	B	0.21		200		P
Cadmium	0.36	B	0.29		19		P
Calcium	50483.10		49373.25		2		P
Chromium	0.71	B	1.75	U	100		P
Cobalt	0.40	B	1.00	U	100		P
Copper	8.08	B	12.33		53		P
Iron	250.33		172.99		31	E	P
Lead	1.10	B	2.00	U	100		P
Magnesium	12078.91		11984.27		1		P
Manganese	71.50		74.43		4		P
Nickel	1.18	B	2.10		78		P
Potassium	797.07	B	699.39		12		P
Selenium	2.55	U	12.75	U			P
Silver	0.35	U	1.75	U			P
Sodium	13287.52		13435.09		1		P
Thallium	2.14	U	10.70	U			P
Vanadium	0.61	B	1.40	U	100		P
Zinc	72.88		80.15		10		P

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