Groundwater Sampling Report
July 2007

Fort Edward Landfill
Site 5-58-001

Work Assignment No.
D004445-19

Prepared for:

SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
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1.0 INTRODUCTION

This report describes the July 2007 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.

The work plan was developed for the continued operation, maintenance and monitoring (OMM) of the leachate treatment system at the Site. The groundwater sampling described herein constitutes the groundwater monitoring component of the WA. Earth Tech will sample 11 monitoring wells associated with this site on a "five-quarter" basis (i.e., once every 15 months or so), 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]

The Site is presently in the Operation, Maintenance and Monitoring phase of operation.

2.0 GROUNDWATER SAMPLING

As part of the present work plan for the Fort Edward Landfill Site, Earth Tech is to monitor groundwater quality at 11 onsite wells on a five-quarter basis, for a maximum of three sampling events during this WA. Groundwater sampling was conducted by Earth Tech's subcontractor, Star Environmental Field Services (Star), Troy, New York. All sampling was conducted as per Stars' Health and Safety Plan, which was reviewed by Earth Tech.

Table 1 presents a list of site monitoring wells and the depth-to-water data collected during the July 11 and 12, 2007 sampling event. Because accurate measuring-point elevation data are not available for this site, water level elevations cannot be calculated. The locations of these wells are presented in Figure 2, a map of the landfill and vicinity, as recently provided to Earth Tech by URS Consultants (URS). Using the DER-provided monitoring well field inspection logs, the condition of all 16 site wells was assessed and recorded; the logs are presented in Appendix A. Well development/purging logs 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 due to shallow casing damage in the well's solid riser.

Prior to sampling each well, a depth to water measurement was taken using a water level indicator, which was washed in a liquinox bath and 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 with a completed Chain-of-Custody (COC) form to Mitkem Corporation 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 using the logs provided by the NYSDEC, and presented in Appendix A. Twelve of the wells were positively identified (i.e., legible field labels). Most of the monitoring wells on the site are in good condition. Although many locks were replaced by Star, about half of them are still without locks. Four wells need PVC caps. Two wells reportedly have no surface seals; another pair of well seals requires repairs 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 locks and PVC caps will be replaced in December (weather permitting); the other repairs will be performed in late spring 2008.

Four wells were found that were not shown on the URS site map; however, each of these wells was inventoried. Two are located on the top of the landfill, one on the north side and one on the south side of the access road. Another well is located south of well cluster MW-1, on the southwest side of the landfill. There were no identifying marks on this well. A fourth unlabeled well was found in the swampy area east of the landfill access road. Earth Tech performed a GPS survey of the site wells in November. The approximate locations of the four unidentified wells are based on the GPS survey. The other 12 wells are shown in the locations provided on the URS basemap. All 16 inventoried wells are shown on Figure 2.

3.2 GROUNDWATER FLOW

Water level and total well depth measurements were obtained at 14 of the 16 wells found onsite. These measurements are noted on the inspection logs in Appendix A. The same measurements for the 10 sampled wells are repeated on Table 1. Without measuring-point elevations, the depth-to-water measurements cannot be converted to water table elevations; therefore, watertable configuration and groundwater flow direction cannot be interpreted from these data.

Previous work conducted by URS has indicated that the general direction of groundwater flow at the site is toward the northeast, as indicated on Figure 2.

3.3 ANALYTICAL RESULTS

The analytical results for the July 2007 groundwater sampling event are presented on Table 2. 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 is presented in Table 3. These data were reviewed in order to place the present data in an historical context.

Volatile Organic Compounds

In the 10 sampled monitoring wells, VOC concentrations for the July 2007 sampling event ranged from below reporting limits (<10 ug/L) to 17 ug/L of chlorobenzene in MW-6. Only two wells showed any detectable concentrations of VOCs: MW-6 and MW-6A, located on the northeast (downgradient) side of the landfill. The only two volatile organic compounds detected in site groundwater during this sampling event were chlorobenzene and chloroethane. The former compound was present at concentrations that exceed the AWQS of 5 ug/L.

Results from the most recent groundwater sampling event made available to Earth Tech (May 2000) differ little from the summer 2007 sampling event: all sampled monitoring wells (six only, in 2000) showed no evidence of VOCs. Table 3 and Figure 3 show that the VOC concentrations were higher in the 1990s in three of these wells, particularly MW-6.

PCB Organics

None of the groundwater samples showed concentrations above laboratory reporting limits for PCBs, considered one of the primary contaminants of concern at the site. Historical PCB data weren't provided to Earth Tech. It is noted that the laboratory reporting limit for PCBs was higher than the AWQS. Please refer to Mitkem Corporation's analytical report in Appendix C for details.

Metals

Metals distribution in site groundwater must be evaluated in light of the high concentrations consistently reported for upgradient wells MW-1, MW-1A, and MW-8. Up to four metals are found in these wells at concentrations above the AWQS. Thus, exceedances in nearly all downgradient site wells for iron, manganese, selenium and sodium can be attributed in part to high background concentrations.

The results for the metals analysis in site groundwater indicate that several exceed the AWQS. These include the four metals mentioned above, plus arsenic, beryllium, cadmium, chromium, lead, magnesium, nickel, and thallium. AWQS exceedances are denoted by a shaded cell on Table 2. The highest metals concentrations were primarily found in MW-6B, downgradient of the landfill. Concentrations of arsenic, cadmium, chromium, lead, iron and nickel are significantly elevated in this well compared with the other monitoring wells sampled in July 2007. A 2001 URS report indicates that some these metals were detected at elevated concentrations during the 1995 – 2000 sampling events, primarily iron, magnesium, manganese and sodium. Several other metals are mentioned in the URS report as being elevated above AWQS (antimony, arsenic, cadmium, chromium and thallium), though no concentrations are given in the report for comparison for these other compounds. These compounds were detected in the wells that constitute from the MW-6 cluster.

The well labeled "New Well", located on the far southeast corner of the landfill property, showed the highest concentrations of antimony, magnesium and sodium of all the wells sampled during July 2007. There is no known past data for this well, therefore no comparison could be made.

Overall, the concentrations do not deviate significantly from the 1995 to 2000 analytical data, especially for iron, magnesium, manganese and sodium, with the exceptions noted below. MW-6B has increased in concentration for each of these compounds. Refer to Figures 4 and 5 for charted concentrations (on a logarithmic scale) of selected metals detected in site groundwater since May 1995. Since May 2000, the charts show that magnesium increased at MW-6B; iron increased at MW-2A, 6, 6B and 7 (Figure 4); manganese increased at MW-6 and 6B; and sodium increased at MW-2 and 6B (Figure 5). All four of these metals decreased in MW-6A, but six metals remain at concentrations above groundwater standards and guidance values (Table 2) at the well.

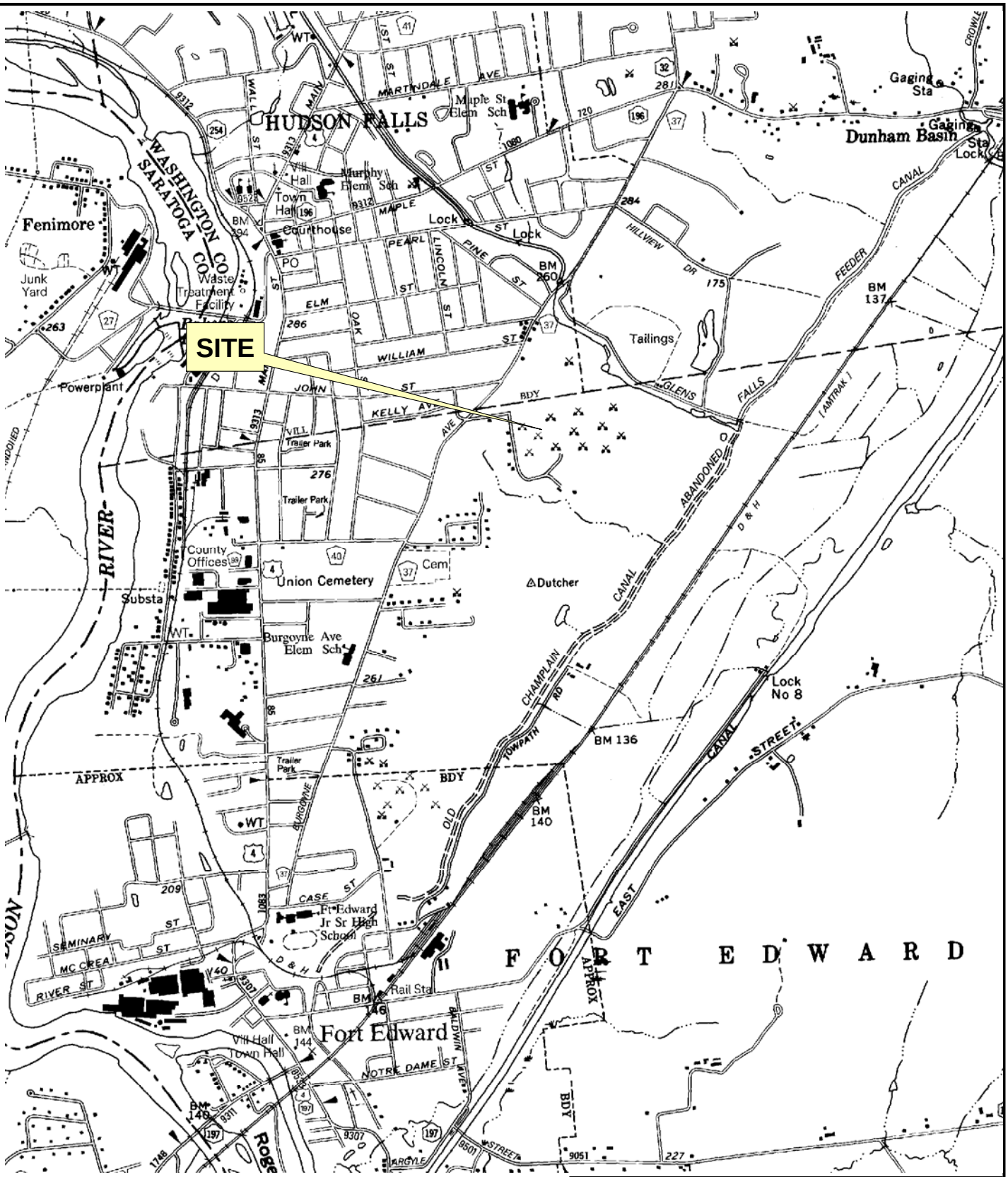
4.0 CONCLUSIONS

Comparison of previous groundwater analyses for the Fort Edward Landfill indicate that most of the monitoring wells have decreased in their concentration of VOCs since the 1990s, but little change is noted since the May 2000 sampling event. All 10 sampled monitoring wells feature metals concentrations above standards and guidance values, including the three presumed upgradient wells. Many wells showed increases in one or more metals since the May 2000 sampling event, particularly MW-6B. PCB compounds were not detected in any of the monitoring wells during this sampling event.

The groundwater remedial system should remain in operation to treat elevated metals and VOC concentrations. Although VOC levels don't appear to be particulary 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 fall season of 2008.

Figures



N

0 2,000

Approx. Scale in Feet

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

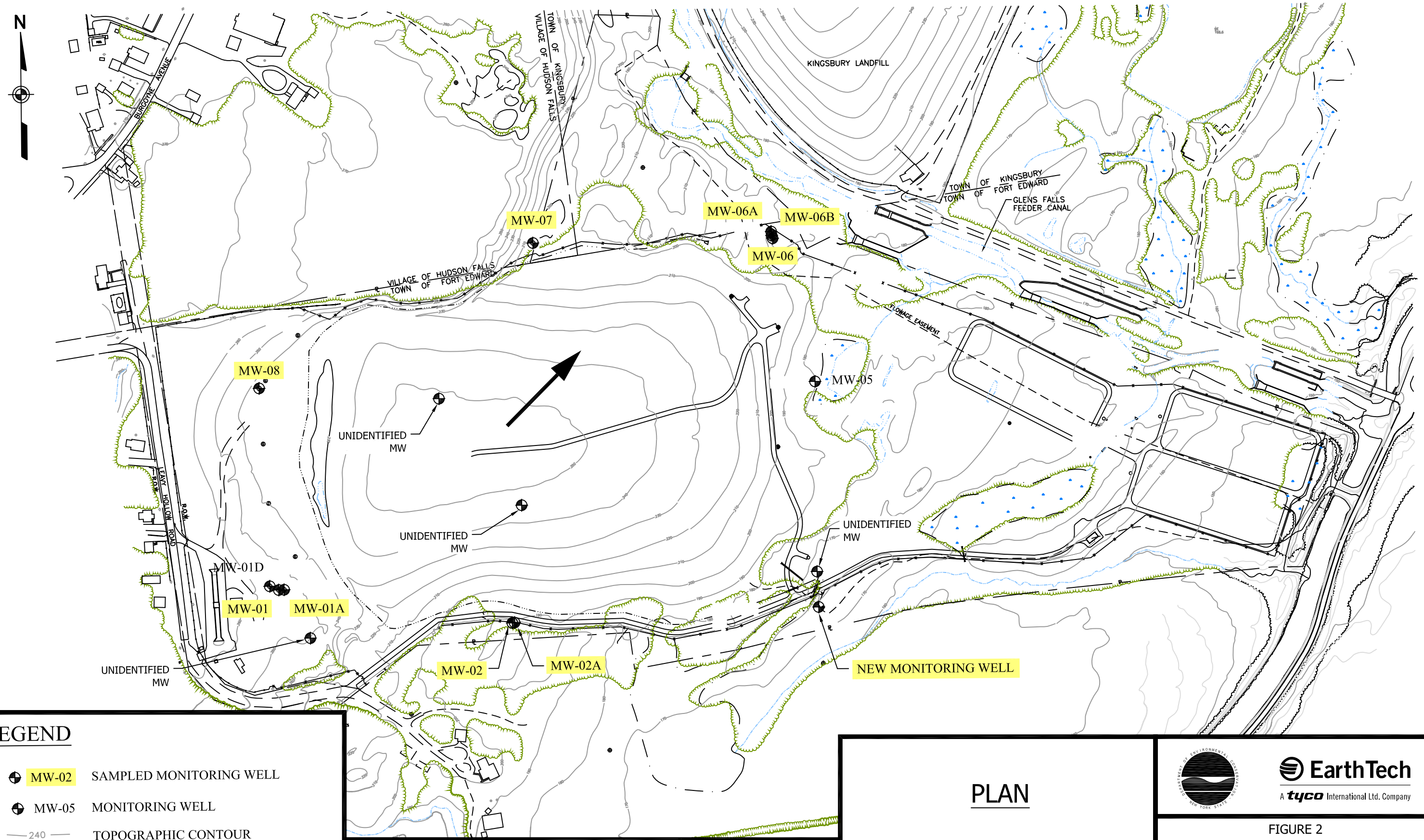
FIGURE 1
SITE LOCATION MAP

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



LEGEND

- MW-02 — SAMPLED MONITORING WELL
- MW-05 — MONITORING WELL
- 240 — TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE CHANNEL/POND
- PRESUMED REGIONAL 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 an Sub-meter GPS survey performed by Earth Tech, November 2007.

PLAN

150 0 125 250 500

(IN FEET)
1 inch = 250 ft.

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

Date: November, 2007 Project No.: 99163

FIGURE 3

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

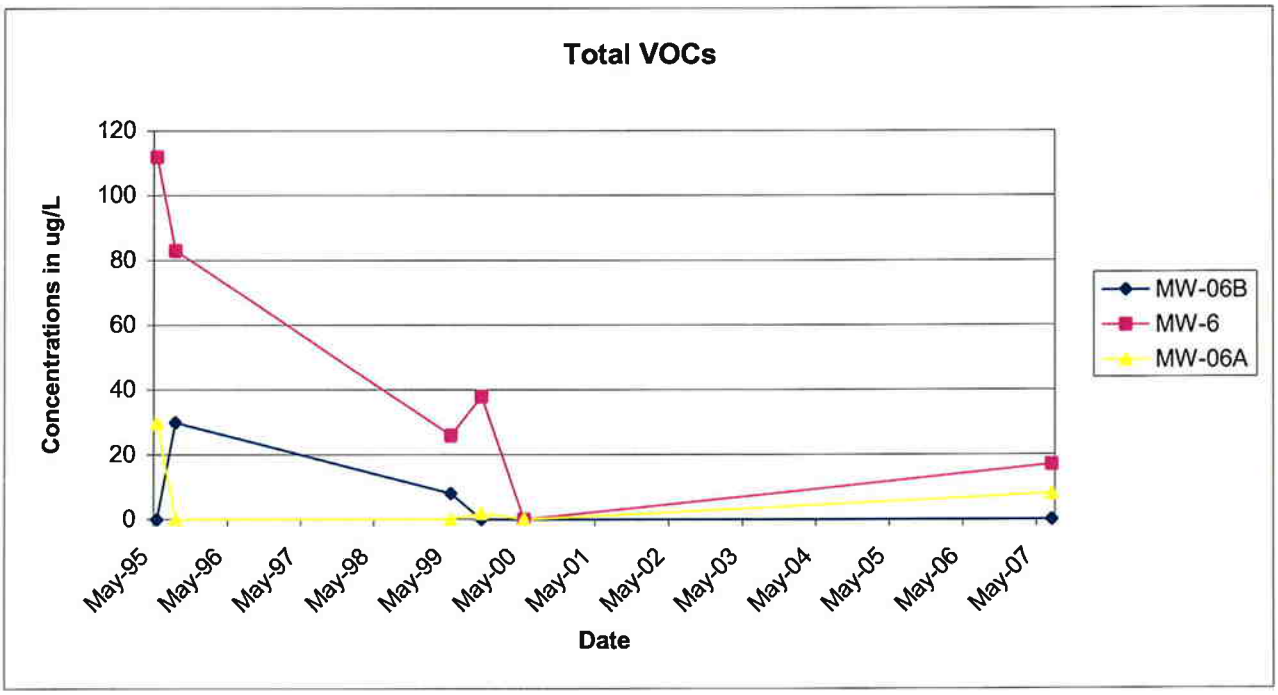
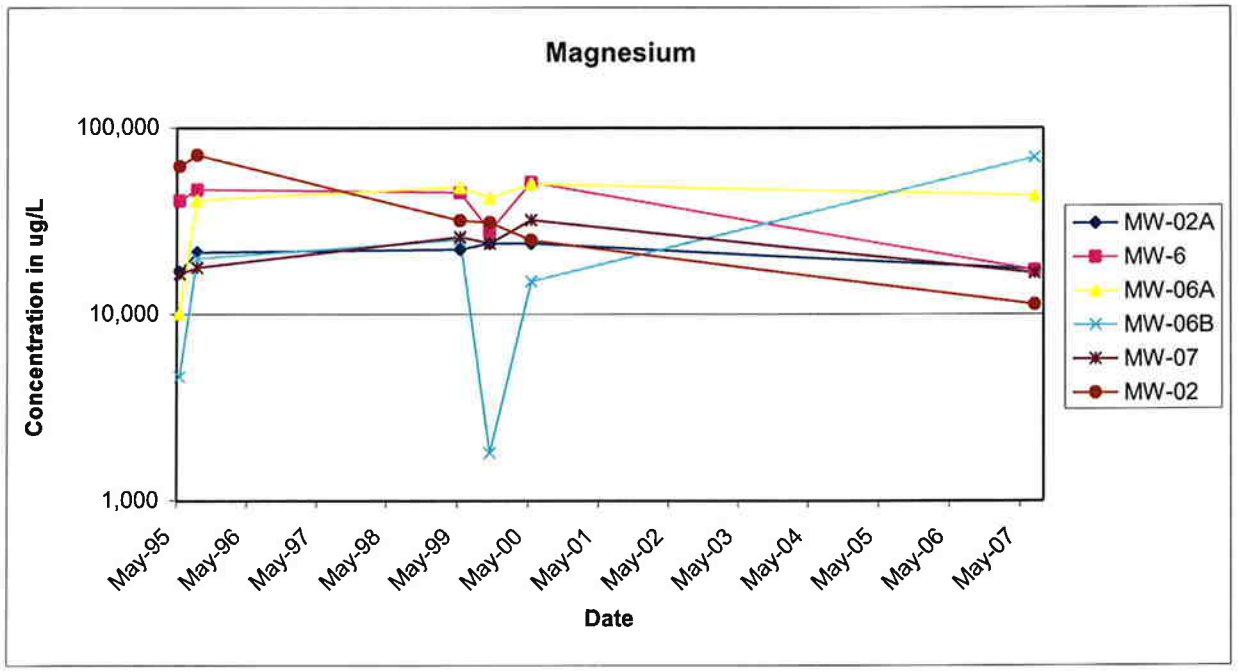


FIGURE 4

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



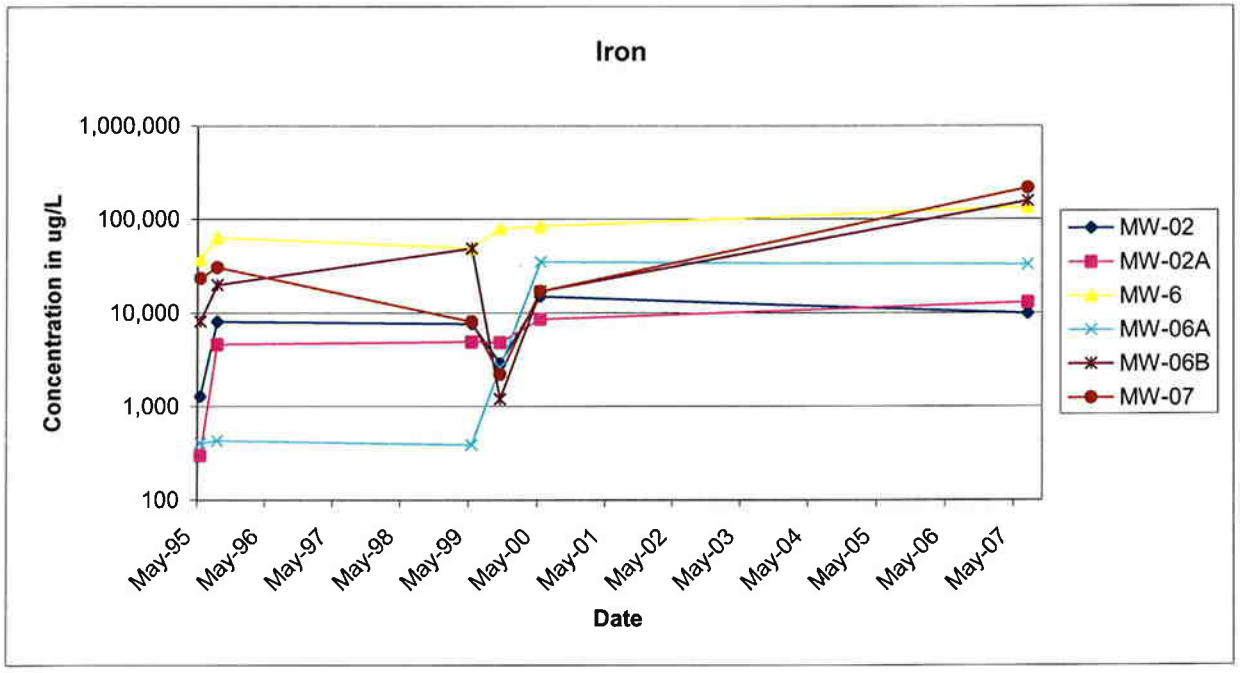
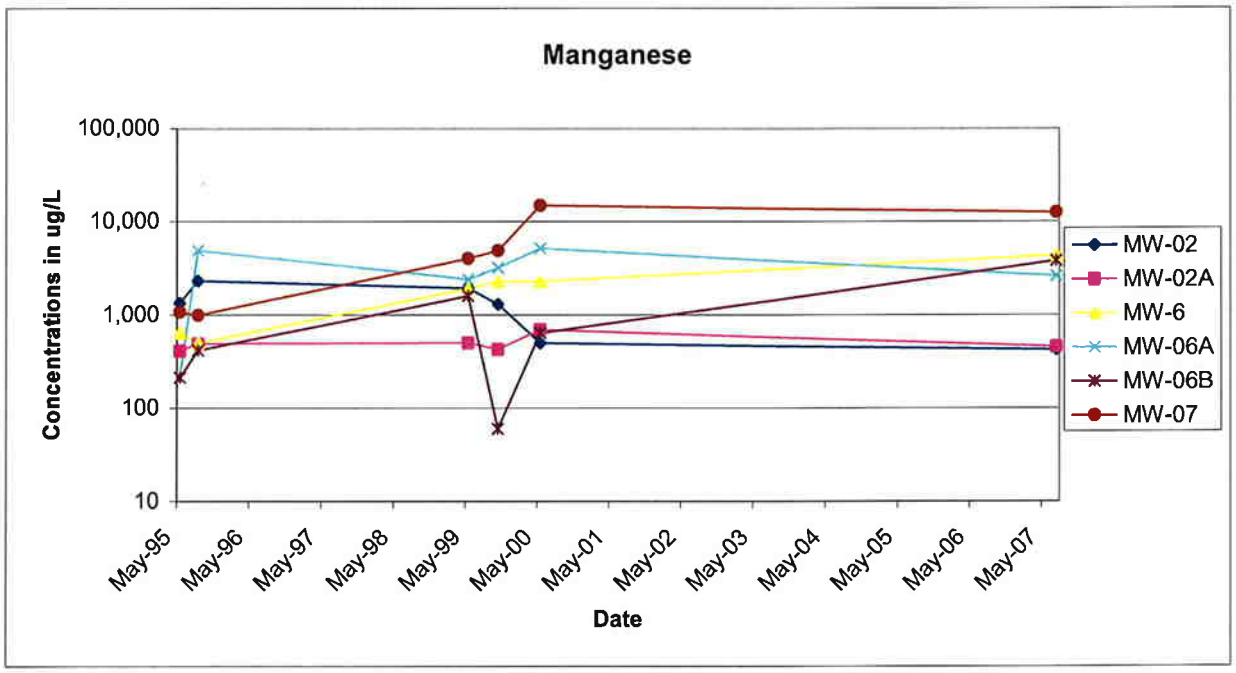
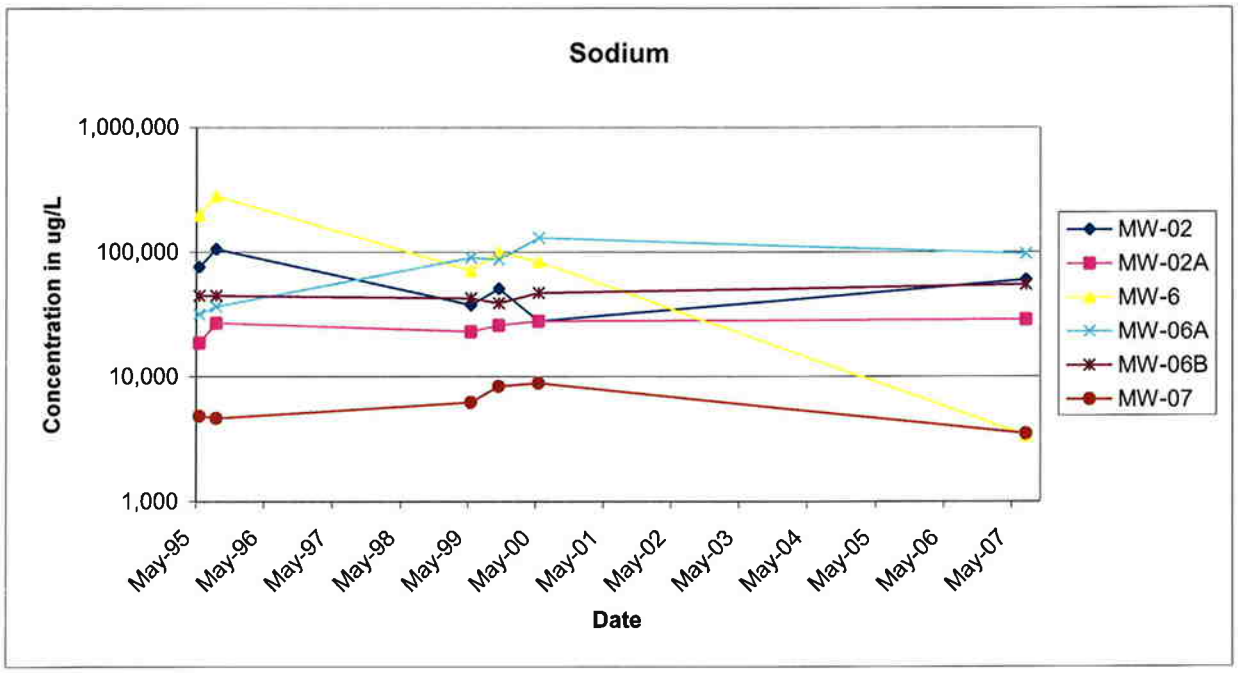


FIGURE 5

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





Tables

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

Well ID	Depth to Water (feet) July 11 and 12, 2007	Well Depth (feet) July 11 and 12, 2007
MW-1	37.31	48.6
MW-1A	38.92	65.07
MW-2	8.16	18.24
MW-2A	9.27	26.8
MW-6	8.23	17.9
MW-06A	10.44	61.3
MW-6B	15	81.7
MW-7	15.8	27.5
MW-08	7.8	12.38
New Well	7.93	22.13

Table 2
Groundwater Analytical Data
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001
July 2007

		MW-1	MW-1A	MW-2	MW-2A	MW-2C (dup 2A)	MW-6 **	MW-6A	MW-6B	MW-7	MW-8	MW-NEW
Volatiles ug/L	**AWQS + GV ***	**07/12/07**	**07/12/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	**17**	**6 J**	10 U	10 U	10 U	10 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**	10 U	10 U	10 U	10 U
PCB Organics ug/L												
Aroclor-1242	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1016	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	0.09	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Metals ug/L												
Aluminum	NS	**8350**	**11100**	**530**	**4810**	NA	**545**	**99.6 B**	3.4 U	**116000**	**217**	**16500**	**800**
Antimony	3	3.4 U	3.4 U	3.4 U	3.4 U	NA	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**5.2 B**
Arsenic	25	4.9 U	**18.6**	4.9 U	4.9 U	NA	**10.9**	**16.3**	**30.3**	4.9 U	**7.2 B**	4.9 U
Barium	1000	**86.2 B**	**123 B**	**27.8 B**	**117 B**	NA	**51.6 B**	**224**	**965**	**34.5 B**	**147 B**	**69.8 B**
Beryllium	3	**0.60 B**	**0.58 B**	0.10 U	**0.25 B**	NA	0.10 U	0.10 U	**6.3**	0.10 U	**0.92 B**	0.10 U
Cadmium	5	**0.24 B**	0.20 U	**15.3**	0.20 U	NA	**0.70 B**	**0.69 B**	**679**	**1.4 B**	0.20 U	0.20 U
Calcium	NS	**43600**	**32300**	**63100**	**42800**	NA	**67800**	**115000**	**326000**	**76000**	**55400**	**74300**
Chromium	50	**9.0 B**	**13.4**	**0.69 B**	**6.2 B**	NA	0.30 U	**0.30 U**	**189**	0.30 U	**19.3**	**1.3 B**
Cobalt	NS	**7.6 B**	**6.6 B**	**2.3 B**	**3.1 B**	NA	**32.4 B**	**12.5 B**	**85.3**	**138**	**9.5 B**	**1.4 B**
Copper	200	**9.0 B**	**14.1 B**	**618**	**5.5 B**	NA	0.50 U	**11.8 B**	**182**	0.50 U	**10.7 B**	**2.5 B**
Iron	300	**20100**	**11500**	**9860**	**15200**	NA	**135000**	**33100**	**157000**	**217000**	**19900**	**1590**
Lead	25	**3.8**	**8.0**	**1.3 B**	**2.6 B**	NA	**2.3 B**	1.2 U	**64.3**	**4.3**	**8.4**	1.2 U
Magnesium	35,000 (GV)	**11200**	**6340**	**11300**	**17400**	NA	**17200**	**43500**	**69600**	**16600**	**15700**	**153000**
Manganese	300	**516**	**267**	**423**	**459**	NA	**4360**	**2620**	**3820**	**12600**	**267**	**66.3**
Nickel	100	**12.4 B**	**14.2 B**	**5.4 B**	**7.0 B**	NA	**5.6 B**	**26.7 B**	**219**	**49.2**	**17.6 B**	**3.8 B**
Potassium	NS	**2320 B**	**3320 B**	**2420 B**	**2800 B**	NA	**5800**	**10400**	**21200**	**2390 B**	**3990 B**	**2230 B**
Selenium	10	**10.3**	**11.2**	**12.4**	**11.8**	NA	**29.8**	**10.2**	**14.9**	**34.2**	**11.5**	**10.2**
Silver	50	0.90 U	0.90 U	**6.1 B**	**2.1 B**	NA	0.90 U	**4.4 B**	0.90 U	0.90 U	0.90 U	**8.6 B**
Sodium	20,000	**54900**	**25600**	**60100**	**28900**	NA	**3370 B**	**96900**	**54800**	**3490 B**	**12000**	**197000**
Thallium	0.5 (GV)	**3.7 B**	2.9 U	**4.3 B**	2.9 U	NA	**28.7**	**7.9 B**	**23.8**	**63.3**	2.9 U	2.9 U
Vanadium	NS	**23.4 B**	**57.0**	**20.5 B**	**8.4 B**	NA	**0.80 B**	0.60 U	**206**	0.60 U	**28.4 B**	**1.6 B**
Zinc	5,000 (GV)	**56.7**	**52.4**	**103**	**36.3**	NA	**22**	**26.7**	**735**	**150**	**115**	**17.9 B**

B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
U - Compound not detected at or above the instrument detection limit (IDL).
J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL).
D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.
* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
Detected concentrations shown in **bold** font. **BOLD** font in shaded cell indicates exceedances of AWQS+GV.
** Sample logged in by laboratory as "ME6"
NA - not analyzed.
NS - no standard or Guidance Value

Table 3
Historical Groundwater Analytical Data
Fort Edward Landfill
Town of Fort Edward, New York
Site #5-58-001

Well ID	Analyte	AWQS+GV*	Sample Date				
			May-95	Aug-95	May-99	Oct-99	May-00
MW-02							
	Iron	300	1,270	8,030	7,620	2,900	15,000
	Magnesium	35,000 (GV)	62,300	71,400	31,800	31,000	25,000
	Manganese	300	1,350	2,320	1,940	1,300	500
	Sodium	20,000	76,100	106,000	37,700	51,000	28,000
MW-02A							
	Iron	300	4,620	4,890	4,830	8,600	13,000
	Magnesium	35,000 (GV)	16,900	21,500	22,300	24,000	24,000
	Manganese	300	414	492	505	430	700
	Sodium	20,000	18,700	27,000	23,000	26,000	28,000
MW-6							
	Benzene	1	13	14	2	4	ND
	Chlorobenzene	5	24	29	24	34	ND
	Xylene	5	68	40	ND	ND	ND
	Vinyl Chloride	2	7	ND	ND	ND	ND
	Iron	300	37,400	63,700	49,300	80,000	84,000
	Magnesium	35,000 (GV)	40,700	46,700	45,000	28,000	51,000
	Manganese	300	651	499	1,930	2,300	2,300
	Sodium	20,000	199,000	283,000	71,100	100,000	84,000
MW-06A							
	Benzene	1	ND	ND	ND	2	ND
	Chloroform	7	30	ND	ND	ND	ND
	Iron	300	404	428	388	2,600	35,000
	Magnesium	35,000 (GV)	10,100	40,900	48,100	42,000	50,000
	Manganese	300	214	4,910	2,410	3,200	5,200
	Sodium	20,000	31,700	36,600	90,300	87,000	130,000
MW-06B							
	Toluene	5	ND	30	8	ND	ND
	Iron	300	8,130	19,900	49,000	1,200	17,000
	Magnesium	35,000 (GV)	4,610	19,900	25,100	1,800	15,000
	Manganese	300	213	419	1,600	60	640
	Sodium	20,000	44,600	44,700	42,700	39,000	47,000
MW-07							
	Iron	300	23,600	30,800	8,060	2,200	17,000
	Magnesium	35,000 (GV)	16,400	17,800	26,000	24,000	32,000
	Manganese	300	1,080	1,000	4,040	4,900	15,000
	Sodium	20,000	4,830	4,650	6,260	8,400	8,900

All concentrations are in ug/L.

ND - Not detected above method detection limits.

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

There was no data in source document for wells MW-01, MW-01A, MW-01D and MW-08

Note: Source: Final Evaluation and Assessment Report, Fort Edward Landfill, NYSDEC Site No. 5-58-001, July 2001, URS Consultants.

Appendix A
Monitoring Well Field Inspection Logs

1,615911.258,4794162.435,45.378,mw-1a
2,615906.944,4794162.239,46.579,mw-1
3,615899.504,4794165.069,47.507,mw-1d
4,615934.072,4794122.008,45.628,mw-no number
5,616099.856,4794135.700,28.400,mw-2
6,616101.551,4794135.961,28.524,mw-2a
7,616353.002,4794150.236,23.302,new monitoring well
8,616348.481,4794336.198,25.175,mw-5
9,616312.341,4794454.370,28.368,mw-6
10,616311.624,4794456.498,28.589,mw-6b
11,616312.028,4794457.119,30.805,mw-6a
12,616107.573,4794232.668,44.391,mw-on top of hill
13,616038.841,4794320.116,46.016,mw-on top of hill
14,616115.114,4794449.359,31.790,mw-7a
15,616351.460,4794179.457,19.756,mw-swamp
16,615890.833,4794327.700,41.662,mw-8

SITE NAME: Fort Edward

SITE ID.: MW-1
INSPECTOR: WG/TAR
DATE/TIME: 7/12/07/840
WELL ID.: MW-1

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 760596.94 NYTM Y 4794162.239
PDOP Reading from Trimble Pathfinder: 3.2 Satelites: 5
GPS Method (circle) Trimble And/Or Magellan

	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)	✓	

NO CAP ON PVC

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	44"
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):	48.60
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	37.31
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	OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

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 - No obstructions
SW AREA 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.

Open Field - Side Hill - 1-2' Vegetation

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

NA

REMARKS:

WELL LOCATED ON URS Figure 2-1

Sketch

SITE NAME: Fort Edward

SITE ID.: MW 1A
INSPECTOR: WG/TAR
DATE/TIME: 7/12/07
WELL ID.: MW1A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 615911.258 NYTM Y 4794162.435
PDOP Reading from Trimble Pathfinder: 3.2 Satelites: 5
GPS Method (circle) Trimble And/Or Magellan

	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: N/A
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): 38.92
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: OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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 - no obstructions
SW AREA 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.

open field - side Hill - 1-2' vegetation

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

NA

REMARKS:

WELL LOCATED on URS Figure 2-1

Sketch

SITE NAME: FORT EDWARD

SITE ID.: FT. Ed
INSPECTOR: GAR
DATE/TIME: 7/12/07/0848
WELL ID.: MW-01D

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 615899.504 NYTM Y 4794165.1069
PDOP Reading from Trimble Pathfinder: 3.2 Satelites: 5
GPS Method (circle) (Trimble) And/Or Magellan

	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)		✓

NO CAP →

HEADSPACE READING (ppm) AND INSTRUMENT USED: N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): STEEL - 13"
PROTECTIVE CASING MATERIAL TYPE: " 6"
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

NO CAP

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

IN WATER →

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 171.15
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 44.82
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: 2"
PHYSICAL CONDITION OF VISIBLE WELL CASING: POOR
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: POOR
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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 - South West Area 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.

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

REMARKS:
Well Location on VRS Figure 2-1
- Well Casing Dented - on Side, Needs To Be Replaced.

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WS
DATE/TIME: 7/11/07-0830
WELL ID.: MW-2

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 611609985 NYTM Y 4794135.700
PDOP Reading from Trimble Pathfinder: 2.5 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA
PROTECTIVE CASING MATERIAL TYPE:	21.5"
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		NA
DID YOU REPLACE THE LOCK?		NA
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):	8.16
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 (used permanent marker)	PEN ORIGINALLY
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

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 Thru 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' from fence

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

REMARKS:
Not able to Lock double steel casing used cable Lock

Sketch

F

SITE NAME: Fort Edward

SITE ID.: ~~29~~
INSPECTOR:
DATE/TIME: 7/1/07; 0830
WELL ID.: 2A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 1616101.551 NYTM Y 4794135.961
PDOP Reading from Trimble Pathfinder: 2.5 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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: N/A N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 16"
PROTECTIVE CASING MATERIAL TYPE: 6"
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		N/A
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): 9.27
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.

Steep incline to well -- vegetation growth ≈ 2' high-

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.):

N/A

REMARKS:

Not able to lock; cable lock required.
Double steel casing

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG
DATE/TIME: 7/11/07 - 1015 AM
WELL ID.: New well

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616353.802 NYTM Y 4794150.236
PDOP Reading from Trimble Pathfinder: 2.6 Satelites: 6
GPS Method (circle) (Trimble) And/Or Magellan

	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: N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 39"
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	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): 7.93'
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: OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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.
Thru locked Gate - Level 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.
2-3' vegetation - open area
South East area of site; out side of gate.

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

REMARKS:
Replaced lock Key # 0344 & replace gate lock
Need Repair To Concrete pad

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG
DATE/TIME: 7/11/07 / 1130
WELL ID.: MW-5

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616348.481 NYTM Y 4794336.198
PDOP Reading from Trimble Pathfinder: 2.6 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	3'
PROTECTIVE CASING MATERIAL TYPE:	STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	N/A
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	N/A
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	OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

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 riprap + 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 land field.

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

N/A

REMARKS:

Needs well cap - needs cable lock
Not able to obtain water measure - casing obstructed
constricted by heft - Two feet of standing water between PVC casing + steel casing needs to be replaced.

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG, TR
DATE/TIME: 7/11/07; 1231
WELL ID.: MW-6

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616312.341 NYTM Y 479445.370
PDOP Reading from Trimble Pathfinder: 1.9 Satelites: 7
GPS Method (circle) Trimble And/Or Magellan

	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: N/A
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"

	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?	✓	

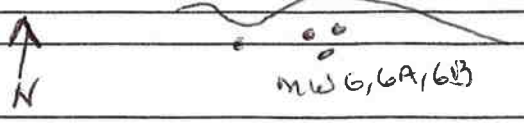
MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 17.90
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 8.23
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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.
MW6 cluster - located North East corner OR land Fill - ~~open~~ Adjacent tree 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.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
NA North east Corner of Site

REMARKS:



Sketch

SITE NAME: Fort Edward

SITE ID.:

INSPECTOR: WG, TR

DATE/TIME: 7/11/07; 1254

WELL ID.: MW 6A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 1616312.028 NYTM Y 474457.119

PDOP Reading from Trimble Pathfinder: 1.9 Satelites: 7

GPS Method (circle) Trimble And/Or Magellan

	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: N/A

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): ~~STeel~~ 20" STEEL

PROTECTIVE CASING MATERIAL TYPE: 4"

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	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): 10.44

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: OK

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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.

MW6 cluster located North East corner of land fill - adjacent 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.

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

REMARKS:

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG, TR
DATE/TIME: 7/11/07; 1231
WELL ID.: MW 6B

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616312.028 NYTM Y 4794457.119
PDOP Reading from Trimble Pathfinder: 3.0 Satelites: 5
GPS Method (circle) Trimble And/Or Magellan

	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	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC 2 3/4
PROTECTIVE CASING MATERIAL TYPE:	
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):	81.70
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	15.00
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	~~PVC~~ STEEL
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

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 Nuvest EAST corner of land fill - adjacent 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.

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

REMARKS:

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG/TAR
DATE/TIME: 7/11/07 1515
WELL ID.: MW-7

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616115.114 NYTM Y 4794449.359
PDOP Reading from Trimble Pathfinder: 2.2 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	~~STEEL~~ 4.5 STEEL
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	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):	37.50
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	15.80
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	OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

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 land fill, 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.

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

REMARKS:

Sketch

SITE NAME: Fort Edward

SITE ID.: Ft. Ed.
INSPECTOR: JAR
DATE/TIME: 7/12/07/1115
WELL ID.: MW-8

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 615890.833 NYTM Y 4794327.700
PDOP Reading from Trimble Pathfinder: 2.0 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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: n/a .94 1
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): STEEL 4"
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT? (NO well cap)	✓	
LOCK FUNCTIONAL? (PVC)	✓	
DID YOU REPLACE THE LOCK? (Key # 0034)		✓
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): 7.80
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: OK
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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.
Open Area - Vegetated - Side Hill Lie

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

REMARKS:

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WG
DATE/TIME: 7/12/07 ; 1040
WELL ID.:

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X 601603.341 NYTM Y 4794320.116		
PDOP Reading from Trimble Pathfinder: 2.3 Satelites: 6		
GPS Method (circle) Trimble And/Or Magellan		
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: N/A		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 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): obstruction 21" TOC		
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 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.

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.): N/A

REMARKS: Well located on top of land Fill - North of access road

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: WS
DATE/TIME: 7/12/07 1100
WELL ID.:

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 616107.573 NYTM Y 4754232.468
PDOP Reading from Trimble Pathfinder: 2.3 Satelites: 6
GPS Method (circle) Trimble And/Or Magellan

	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	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	36"
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):	7.10'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NO WATER @ 7.10'
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	NA

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.

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.): N/A

REMARKS:
Well located on top of land fill - South of access Road
Casing Missing I.D., No Intrusion Cap, No Lock, Interior pipe Goes Above Well Casing - Shown In picture.

Sketch

SITE NAME: Fort Edward

SITE ID.: F.Ed
INSPECTOR: JAD
DATE/TIME: 7/12/07/1043
WELl ID.: UNKNOWN

MONITORING WELL FIELD INSPECTION LOG

Along Access Rd South East Southeast Corner

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

WELL COORDINATES? NYTM X 616351.460 NYTM Y 4794179.457

PDOP Reading from Trimble Pathfinder: 2.1 Satelites: 6

GPS Method (circle) Trimble And/Or Magellan

	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: N/A

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 24 1/2"

PROTECTIVE CASING MATERIAL TYPE: STEEL

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		NA
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): 7.51'

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: NO

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

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.

Lower end of Rip Rap in swamp weeds just east 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.

In swampy area Reeded

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

NA

REMARKS: Well not located on URS Figure 2-1

Sketch

SITE NAME: Fort Edward

SITE ID.: Ft. Ed.
INSPECTOR: TAR
DATE/TIME: 0855/7/12/07
WELL ID.: unknown

MONITORING WELL FIELD INSPECTION LOG

South of MW Cluster - ~~South~~ ~~East~~ west end of Landfill

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

WELL COORDINATES? NYTM X 615934.078 NYTM Y 4794122.008
PDOP Reading from Trimble Pathfinder: 3.3 Satelites: 5
GPS Method (circle) (Trimble) And/Or Magellan

	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	36"
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	STEEL
PROTECTIVE CASING MATERIAL TYPE:	4"
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		NA
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):	4.08 36.62'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.08 36.62'
MEASURE WELL DIAMETER (Inches):	1" INSIDE 2" PVC
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NO
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

2" → 1"

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.

Hill, open field + inclue to well
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.

South ~~East~~ west Corner of Landfill just inside gate about fence.

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

NA - None noted

REMARKS:

Replaced Lock 0034 Key

Sketch

Appendix B
Well Development/Purging Logs

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-1

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 12, 2007

SAMPLERS: W. Gamble / T. RAGOSTA

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	48.60	1"	0.04
			2"	0.17
②	Casing Internal Diameter (in.)	2"	3"	0.38
			4"	0.66
③	Water Level Below Top of Casing (ft.)	37.31	5"	1.04
			6"	1.50
④	Volume of Water in Casing (gal.)		8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	2	2	2							
Time	0915	0924	0931	0938							
Conductivity (mohm/cm)	0.560	0.495	0.478	0.50							
Dissolved Oxygen (ppm)	12.32	14.52	13.45	13.02							
Eh (mV)											
pH	6.20	8.54	8.14	7.10							
Temp (°C)	17.1	13.4	14.5	14.5							
Turbidity (NTUs)	19	24	49	35.6							

COMMENTS:

37.34' final depth to water 0950
slight rust color - no odor.

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-1A

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 13, 2007

SAMPLERS: W. Cobble / T. Racostin

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	65.07	1"	0.04
			2"	0.17
②	Casing Internal Diameter (in.)	2"	3"	0.38
			4"	0.66
③	Water Level Below Top of Casing (ft.)	38.92	5"	1.04
			6"	1.50
④	Volume of Water in Casing (gal.)		8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	4.5	4.5	~~1.5~~	~~4.5~~						
Time	0915	0927	0950	0958							
Conductivity (mohm/cm)	.205	.178	.156	0.149							
Dissolved Oxygen (ppm) mg/L	13.23	13.92	12.95	11.60							
Eh (mV)											
pH	9.54	10.08	9.89	9.95							
Temp (°C)	15.6	14.0	15.7	16.6							
Turbidity (NTUs)	15	107	295	65							
				DRY							
				5505'							

COMMENTS: Water Cloudy, No visible odor or sheen. AFTER 1st VOL. WELL was going DRY-

WATER VERY Turbid -
0958 REMOVED 1.5 gal - Well DRY
5505' Lowered to water @ 1031 final

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. 2

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gambles, T. Ragosta

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	18.24	1"	0.04
②	Casing Internal Diameter (in.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	8.16	3"	0.38
④	Volume of Water in Casing (gal.)	1.71	4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

$v = 0.0408 (②)^2 \times (① - ③) = ④$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \_\_\_\_\_$ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	2	2	2							
Time	0830	837	844	850							
Conductivity (mohm/cm)	0.65	0.64	0.64	0.63							
Dissolved Oxygen (ppm)	11.8	11.6	12.3	12.2							
Eh (mV)											
pH	6.7	6.9	6.6	6.8							
Temp (°C)	19	19	17	17							
Turbidity (NTUs)	2.0	1.0	1.0	1.0							

COMMENTS: very Turbid - brown Color

Pumped 2 CAL initialy To clear up

9.85' Level To water FINAL

Some Sediment on bottom

Tubing left in well

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. 2A

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gamble, T. Ragosta

		26.80	Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	~~23.16~~	1"	0.04
			2"	0.17
②	Casing Internal Diameter (in.)	2"	3"	0.38
			4"	0.66
③	Water Level Below Top of Casing (ft.)	9.27	5"	1.04
			6"	1.50
④	Volume of Water in Casing (gal.)	2.3	8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 (-)² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	30	30	30							
Time	0830	0840	0850	0901							
Conductivity (mohm/cm) (ms/cm)	0.46	0.45	0.44	0.34							
Dissolved Oxygen (ppm) (mg/L)	12.2	13.7	15.7	13.2							
Eh (mV)											
pH	6.8	7.0	6.9	6							
Temp (°C)	18	15	13	15							
Turbidity (NTUs)	17	29	53.6	49							

COMMENTS: Duplicate Sample is MW2C: VOA's ONLY
Purge Water is Amber color, NO SHEEN, NO ODOR

WATER LEVEL 20.55 BUT recharging
21.52' FINAL water LEVEL

Bailer IN Well, But removed, Left tubing in Well.

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. New Well

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gamble / T. Rathbun

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	22.13	1"	0.04
			2"	0.17
②	Casing Internal Diameter (in.)	2"	3"	0.38
			4"	0.66
③	Water Level Below Top of Casing (ft.)	7.93	5"	1.04
			6"	1.50
④	Volume of Water in Casing (gal.)		8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	2.4	2.4	2.4							
Time	1031	1038	1044	1110							
Conductivity (mohm/cm)	2.1	1.9	1.9	1.9							
Dissolved Oxygen (ppm)	15.60	14.9	20.0	13.2							
Eh (mV)											
pH	7.10	7.3	7.3	7.4							
Temp (°C)	16	14	12	15							
Turbidity (NTUs)	24	1.0	16.0	1.0							

COMMENTS: 19.5 water level @ 1110 AM

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW 5

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: ~~WSS~~ / W. Gamble / T. Rocosta

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	_____	1"	0.04
			2"	0.17
②	Casing Internal Diameter (In.)	_____	3"	0.38
			4"	0.66
③	Water Level Below Top of Casing (ft.)	_____	5"	1.04
			6"	1.50
④	Volume of Water in Casing (gal.)	_____	8"	2.60

$v = 0.0408 (②)^2 \times (① - ③) = ④$

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons											
Time											
Conductivity (mohm/cm)											
Dissolved Oxygen (ppm)											
Eh (mV)											
pH											
Temp (°C)											
Turbidity (NTUs)											

COMMENTS: Construction of PVC pipe to enter well. Not able to get DTW or collect samples.

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-6

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gamble / T. RAGOSTA

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	17.90	1"	0.04
②	Casing Internal Diameter (in.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	8.23	3"	0.38
④	Volume of Water in Casing (gal.)		4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

$v = 0.0408 (②)^2 \times (① - ③) = ④$

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	1.6	1.6	1.6	1.6						
Time	1228	1233	1238	1242	1245						
Conductivity (mohm/cm)	0.84	0.86	0.77	0.78	0.79						
Dissolved Oxygen (ppm)	13.0	13.1	13.7	14.5	14.2						
Eh (mV)											
pH	6.3	6.3	6.2	6.2	6.1						
Temp (°C)	15.0	17	14	13	13						
Turbidity (NTUs)	15.0	31	1.0	18	43						

COMMENTS: Very Turbid To Start - brown

8.26' final depth to water

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-6A

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: 7/11/07

SAMPLERS: W. Gamble / T. Ragosta

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	61.30	1"	0.04
②	Casing Internal Diameter (in.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	10.44	3"	0.38
④	Volume of Water in Casing (gal.)		4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	3	9	9	9							
Time	1254	1305	1317	1335							
Conductivity (mohm/cm)	1.2	1.3	1.3	1.3							
Dissolved Oxygen (ppm)	12.2	12.5	12.8	12.7							
Eh (mV)											
pH	6.9	6.8	6.8	6.7							
Temp (°C)	15	15	15	15							
Turbidity (NTUs)	1.0	1.0	1.0	1.0							

COMMENTS: Very Turbid (black) To begin
RAN PURGED 3 GAL PRIOR TO FIRST READINGS
10.71 TO WATER @ 1320
10.69 " " @ 1337
very clear - NO odor

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-6B

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gamble / T. RAGOSTA

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	81.70	1"	0.04
②	Casing Internal Diameter (In.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	15.00	3"	0.38
④	Volume of Water in Casing (gal.)		4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

$v = 0.0408 (②)^2 \times (① - ③) = ④$

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	11	11	11							
Time	1231	1251	1317								
Conductivity (mohm/cm)	0.22	0.23	0.24								
Dissolved Oxygen (ppm)	13.3	13.0	10.4								
Eh (mV)											
pH	7.5	7.4	8.6								
Temp (°C)	16	15	19								
Turbidity (NTUs)	1.0	99	7,100								
WELL RECHARGE			DRY								

COMMENTS:

Note: AFTER REMOVAL OF 30 gal - water is grayish color & has FOAM appearance.

72.45' - very Turbid + Gray @ 1307

80.35' - " " " " @ 1317

sampled well after (2) vol.

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-7

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 11, 2007

SAMPLERS: W. Gamble / T. RACOSTA

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	27.50	1"	0.04
②	Casing Internal Diameter (In.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	15.80	3"	0.38
④	Volume of Water in Casing (gal.)		4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

v = 0.0408 (②)² x (① - ③) = ④

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	2	2	2							
Time	1530	1525	1530	1535							
Conductivity (mohm/cm)	1.1	1.1	1.1	1.1							
Dissolved Oxygen (ppm)	11.5	13.9	13.9	14.0							
Eh (mV)											
pH	6.5	6.4	6.4	6.4							
Temp (°C)	18	14	14	14							
Turbidity (NTUs)	1.0	7.0	4+	1.0							

COMMENTS: First purge clear - no odor. Looked as clear as previous & later questioning reading + meter. 15.81' to water @ 1539 Slight sheen noted in sample container

STAR ENVIRONMENTAL
FIELD SERVICES

Well No. MW-8

Well Development/Purging Log

PROJECT NAME: Fort Edward

PROJECT NUMBER: 99163.04

DATE: July 12, 2007

SAMPLERS: W. Gamble / T. Racosta

			Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	12.38	1"	0.04
②	Casing Internal Diameter (in.)	2"	2"	0.17
③	Water Level Below Top of Casing (ft.)	7.80	3"	0.38
④	Volume of Water in Casing (gal.)		4"	0.66
			5"	1.04
			6"	1.50
			8"	2.60

$v = 0.0408 (②)^2 \times (① - ③) = ④$

v = 0.0408 ( )² x (-) = _____ gal.

PARAMETER	ACCUMULATED VOLUME PURGED										
Gallons	0	0.8	0.8	0.8							
Time	1158	1203	1205	1216							
Conductivity (mohm/cm)	0.334	0.323	0.333	0.325							
Dissolved Oxygen (ppm)	13.59	16.68	16.74	15.64							
Eh (mV)											
pH	7.95	7.81	7.82	7.82							
Temp (°C)	20.1	15.3	13.8	13.9							
Turbidity (NTUs)	266	786	635	440							

COMMENTS:

Initial water - brownish tint

Final water level 12.08' @ 1237

Never cleared - slow recharge

Turbid water

Appendix C
Laboratory Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

August 2, 2007

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.04
Lab Project #: F0946

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 Ng

Shirley S. Ng
Project Manager

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF0946

Mitkem Work Order ID: F0946

August 2, 2007

Prepared For:

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

Prepared By:

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

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for thirteen aqueous samples that were received between July 12, 2007 to July 13, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form, following discussion with the client. Following the narrative is a table of sample identification for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (2000 update) 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 V5: 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:

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.

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.

Sample analysis: serial dilution was performed on sample MW-8. Percent differences were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data report forms. 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
08/02/07

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: F0946

Client Name: Earth Tech

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
F0946-01A	TB071107	FT-ED-TB071107
F0946-02A	MW-2	FT-ED-MW-2
F0946-02B	MW-2	FT-ED-MW-2
F0946-02C	MW-2	FT-ED-MW-2
F0946-03A	MW-2A	FT-ED-MW-2A
F0946-03B	MW-2A	FT-ED-MW-2A
F0946-03C	MW-2A	FT-ED-MW-2A
F0946-04A	MW-NEW	FT-ED-MW-NEW
F0946-04B	MW-NEW	FT-ED-MW-NEW
F0946-04C	MW-NEW	FT-ED-MW-NEW
F0946-05A	ME-6	FT-ED-ME-6
F0946-05B	ME-6	FT-ED-ME-6
F0946-05C	ME-6	FT-ED-ME-6
F0946-06A	MW-6A	FT-ED-MW-6A
F0946-06B	MW-6A	FT-ED-MW-6A
F0946-06C	MW-6A	FT-ED-MW-6A
F0946-07A	MW-6B	FT-ED-MW-6B
F0946-07B	MW-6B	FT-ED-MW-6B
F0946-07C	MW-6B	FT-ED-MW-6B
F0946-08A	MW-2C	FT-ED-MW-2C
F0946-09A	MW-7	FT-ED-MW-7
F0946-09B	MW-7	FT-ED-MW-7
F0946-09C	MW-7	FT-ED-MW-7
F0946-10A	TB071207	FT-ED-TB071207
F0946-11A	MW-1	FT-ED-MW-1
F0946-11B	MW-1	FT-ED-MW-1
F0946-11C	MW-1	FT-ED-MW-1
F0946-12A	MW-1A	FT-ED-MW-1A
F0946-12B	MW-1A	FT-ED-MW-1A
F0946-12C	MW-1A	FT-ED-MW-1A
F0946-13A	MW-8	FT-ED-MW-8
F0946-13B	MW-8	FT-ED-MW-8
F0946-13C	MW-8	FT-ED-MW-8

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

02/Aug/07 13:14

WorkOrder: F0946

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: N/A

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 07/27/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0946-01A	TB071107	07/11/2007 0:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-02A	MW-2	07/11/2007 9:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-02B	MW-2	07/11/2007 9:00	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-02C	MW-2	07/11/2007 9:00	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-03A	MW-2A	07/11/2007 9:30	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-03B	MW-2A	07/11/2007 9:30	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-03C	MW-2A	07/11/2007 9:30	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-04A	MW-NEW	07/11/2007 11:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-04B	MW-NEW	07/11/2007 11:00	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-04C	MW-NEW	07/11/2007 11:00	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1

Client Rep: Shirley S Ng

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: N/A

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 07/27/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0946-05A	ME-6	07/11/2007 14:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-05B	ME-6	07/11/2007 14:00	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-05C	ME-6	07/11/2007 14:00	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-06A	MW-6A	07/11/2007 15:30	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-06B	MW-6A	07/11/2007 15:30	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-06C	MW-6A	07/11/2007 15:30	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-07A	MW-6B	07/11/2007 15:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-07B	MW-6B	07/11/2007 15:00	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-07C	MW-6B	07/11/2007 15:00	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1

Client Rep: Shirley S Ng

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: N/A

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 07/27/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0946-08A	MW-2C	07/11/2007 10:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-09A	MW-7	07/11/2007 16:00	07/12/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-09B	MW-7	07/11/2007 16:00	07/12/2007	Aqueous	SW8082_W		☐	☐	☐	H1
F0946-09C	MW-7	07/11/2007 16:00	07/12/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-10A	TB071207	07/12/2007 7:00	07/13/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-11A	MW-1	07/12/2007 9:30	07/13/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-11B	MW-1	07/12/2007 9:30	07/13/2007	Aqueous	SW8082_W		☐	☐	☐	H2
F0946-11C	MW-1	07/12/2007 9:30	07/13/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-12A	MW-1A	07/12/2007 10:30	07/13/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-12B	MW-1A	07/12/2007 10:30	07/13/2007	Aqueous	SW8082_W		☐	☐	☐	H2

Client Rep: Shirley S Ng

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: N/A

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 07/27/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0946-12C	MW-1A	07/12/2007 10:30	07/13/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1
F0946-13A	MW-8	07/12/2007 13:00	07/13/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F0946-13B	MW-8	07/12/2007 13:00	07/13/2007	Aqueous	SW8082_W		☐	☐	☐	H2
F0946-13C	MW-8	07/12/2007 13:00	07/13/2007	Aqueous	ILM4.1_ICP_W		☐	☐	☐	M1

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Earth Tech	PHONE (518) 951-2262	COMPANY	PHONE	LAB PROJECT #: F0946
NAME Lori Hoose	FAX	NAME	FAX	
ADDRESS 40 British Am. Blvd		ADDRESS		TURNAROUND TIME: 2 WEEKS
CITY/ST/ZIP Latham, NY 12110		CITY/ST/ZIP		

CLIENT PROJECT NAME: Fort Edward Landfill

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES: VOA's (TCL) 8260; PCB's 8082; CLP METALS

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOA's (TCL) 8260	PCB's 8082	CLP METALS	COMMENTS
FT. Ed TB071107	7/11/07 /		√	√			01	1	1			
~~Ft. Ed MW-1~~	/											
~~Ft. Ed- MW-1A~~	/											
~~Ft. Ed- MW-1D~~	/											
Ft. Ed- MW-2	7/11/07 0900		√	√			02	5	1	1	1	
Ft. Ed- MW-2A	7/11/07 0930		√	√			03	5	1	1	1	
Ft Ed - MW-NEW	7/11/07 1100		√	√			04	5	1	1	1	NEW WELL
Ft Ed- MW-6	7/11/07 1400		√	√			05	5	1	1	1	
Ft Ed - MW-6A	7/11/07 1530		√	√			06	5	1	1	1	
Ft Ed - MW-6B	7/11/07 1520		√	√			07	5	1	1	1	
Ft Ed - MW-2C	7/11/07 1000		√	√			08	2	1	NS	NS	(2) VOA's ONLY
Ft Ed- MW-7	7/11/07 1600		√	√			09	5	1	1	1	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Wesley Gamble	7/11/07 1930	[signature]	7/12/07 9:15
		/		/
		/		/

ADDITIONAL REMARKS:
VOA's ⇒ HCL
250 mL ⇒ HNO3
1000 mL ⇒ unpreserved

COOLER TEMP: 5°C

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY Earth Tech Northeast, Inc.	PHONE 518 951-2262		COMPANY	PHONE	LAB PROJECT #:
NAME Lori Hoose	FAX		NAME	FAX	F0946
ADDRESS 40 British Am. Blvd.			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Latham, NY 12110			CITY/ST/ZIP		2 weeks

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Fort Edward landfill	99163.04	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TCL VOA's 8260	PCB's 8082	CLP METALS	COMMENTS
FT. Ed. TB071207	7/12/07/0700			✓			10	1	1			
FT. Ed. MW-1	7/12/07/0930		✓	✓			11	5	2	2	1	
FT. Ed. MW-1A	7/12/07/1030		✓	✓			12	5	2	2	1	
FT. Ed. MW-8	7/12/07/1300		✓	✓			13	5	2	2	1	
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Wesley Lamble	7/12/07/1500	(illegible)	7-13-07 9:15	VOA's ⇒ HCl 250 mL ⇒ HNO3 1000 mL ⇒ 4°C	5°C
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: CW | Reviewed By: CW | Date: 7-12-07 | MITKEM Workorder #: F0944Q

Client Project: FT. Edward Landfill | Client: Earthtech

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F0944Q	01					H	
	02	<2					
	03						
	04						
	05						
	06						
	07	<2					
	08						
F0944Q	09	<2				H	

1) Cooler Sealed: (Yes) / No

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

3) Custody Seal Number(s): N/A

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

5) Cooler Temperature: 5°C
Coolant Condition:

6) Airbill(s): (Present) / Absent
Airbill Number(s): FEDEX 8620 4714 2870

7) Sample Bottles: (Intact)/Broken/Leaking

8) Date Received: 7-12-07

9) Time Received: 9:15

Preservative Name/Lot No:

7-12-07 CW

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

MITKEM CORPORATION

Sample Condition Form

Received By: CW | Reviewed By: KF | Date: 7-13-07 | MITKEM Workorder #: F09410

Client Project: FL Edward | Client: Earthtech

1) Cooler Sealed (Yes) / No

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

3) Custody Seal Number(s) NIA

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

5) Cooler Temperature 5°C
Coolant Condition

6) Airbill(s) (Present) / Absent
Airbill Number(s) FEDEX 8020 4714 2898

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 7-13-07

9) Time Received 9:15

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F09410	10					H	
↓	11	<2				↓	
↓	12	<2				↓	
F09410	13	<2				H	

7-13-07 CW

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

MITKEM CORPORATION

* Volatiles *

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

ME-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8932

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8932

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	17	
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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ME-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8932

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	60-29-7	ETHYL ETHER	2.81	6	NJ
2.		UNKNOWN	4.24	13	J
3.		UNKNOWN	5.03	38	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
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25.					
26.					
27.					
28.					
29.					
30.					

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8938

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8938

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8938

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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23.					
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26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8939

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8939

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-1A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8939

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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18.					
19.					
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21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8929

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8929

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8929

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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16.					
17.					
18.					
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21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8930

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8930

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8930

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8935

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8935

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-2C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8935

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8933

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	2	J
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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8933

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	6	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	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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-6A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8933

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.82	7	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8934

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8934

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8934

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8936

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8936

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8936

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	593-70-4	METHANE, CHLOROFLUORO-	1.87	11	NJ
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8940

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8940

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8940

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-NEW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8931

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-NEW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8931

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-NEW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8931

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071107

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8928

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071107

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8928

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB071107

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8928

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071207

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8937

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071207

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8937

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB071207

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: F0946-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8937

Level: (low/med) LOW Date Received: 07/13/07

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VR5LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: LCS-31128

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8919

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	43	
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	42	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VR5LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: LCS-31128

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8919

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	41	
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
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	42	
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

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKR5	100	92	100		0
02	VR5LCS	98	88	101		0
03	TB071107	100	88	104		0
04	MW-2	100	88	103		0
05	MW-2A	99	87	104		0
06	MW-NEW	101	89	103		0
07	ME-6	98	89	105		0
08	MW-6A	97	87	103		0
09	MW-6B	108	90	102		0
10	MW-2C	100	87	103		0
11	MW-7	98	86	104		0
12	TB071207	101	86	106		0
13	MW-1	105	90	105		0
14	MW-1A	102	86	107		0
15	MW-8	101	86	104		0
16	VBLKS5	107	92	99		0
17	VHBLKS5	105	91	109		0
18						
19						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix Spike - Sample No.: VR5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		43	86	61-145
Benzene	50		42	84	76-127
Trichloroethene	50		41	82	71-120
Toluene	50		41	82	76-125
Chlorobenzene	50		42	84	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKR5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Lab File ID: V5H8918A Lab Sample ID: MB-31128

Date Analyzed: 07/13/07 Time Analyzed: 1536

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

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TB071107	F0946-01A	V5H8928	1734
02	MW-2	F0946-02A	V5H8929	1803
03	MW-2A	F0946-03A	V5H8930	1831
04	MW-NEW	F0946-04A	V5H8931	1900
05	ME-6	F0946-05A	V5H8932	1928
06	MW-6A	F0946-06A	V5H8933	1957
07	MW-6B	F0946-07A	V5H8934	2026
08	MW-2C	F0946-08A	V5H8935	2055
09	MW-7	F0946-09A	V5H8936	2123
10	TB071207	F0946-10A	V5H8937	2151
11	MW-1	F0946-11A	V5H8938	2220
12	MW-1A	F0946-12A	V5H8939	2249
13	MW-8	F0946-13A	V5H8940	2317
14				
15				
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COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKR5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31128

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8918A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKR5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31128

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8918A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKR5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31128

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8918A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/13/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Lab File ID: V5H8952 Lab Sample ID: MB-31172

Date Analyzed: 07/16/07 Time Analyzed: 1043

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

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLKS5	VHBLKS5	V5H8971	2049
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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16				
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29				
30				

COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31172

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8952

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31172

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8952

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: MB-31172

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8952

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: VHBLKS5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8971

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: VHBLKS5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8971

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLKS5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

Matrix: (soil/water) WATER Lab Sample ID: VHBLKS5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H8971

Level: (low/med) LOW Date Received: 07/12/07

% Moisture: not dec. _____ Date Analyzed: 07/16/07

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

EPA Sample No. (VSTD050##): VSTD050R5 Date Analyzed: 07/13/07

Lab File ID (Standard): V5H8918 Time Analyzed: 1507

Instrument ID: V5 Heated Purge: (Y/N) N

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

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	338049	4.94	1627829	5.92	1371698	9.01
	UPPER LIMIT	676098	5.44	3255658	6.42	2743396	9.51
	LOWER LIMIT	169025	4.44	813915	5.42	685849	8.51
	EPA SAMPLE						
01	VBLKR5	365710	4.94	1741744	5.92	1423122	9.01
02	VR5LCS	406730	4.94	2018064	5.92	1701003	9.01
03	TB071107	362277	4.94	1717775	5.92	1423350	9.01
04	MW-2	341891	4.94	1615381	5.92	1345686	9.01
05	MW-2A	347757	4.93	1621571	5.93	1348929	9.01
06	MW-NEW	348709	4.94	1636665	5.92	1336335	9.01
07	ME-6	330038	4.94	1561379	5.92	1304310	9.01
08	MW-6A	357746	4.93	1669620	5.93	1411760	9.01
09	MW-6B	343135	4.94	1570768	5.92	1164578	9.01
10	MW-2C	351535	4.93	1572913	5.93	1320562	9.01
11	MW-7	378076	4.93	1751928	5.93	1494396	9.01
12	TB071207	325616	4.94	1375689	5.92	1114553	9.01
13	MW-1	342338	4.93	1590306	5.93	1262971	9.01
14	MW-1A	332482	4.94	1556530	5.92	1282943	9.01
15	MW-8	329815	4.94	1518451	5.92	1243034	9.01
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0946

EPA Sample No. (VSTD050##): VSTD050S5 Date Analyzed: 07/16/07

Lab File ID (Standard): V5H8951 Time Analyzed: 0932

Instrument ID: V5 Heated Purge: (Y/N) N

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

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	510313	4.94	2381365	5.92	2013369	9.00
	UPPER LIMIT	1020626	5.44	4762730	6.42	4026738	9.50
	LOWER LIMIT	255157	4.44	1190683	5.42	1006685	8.50
	EPA SAMPLE						
01	VBLKS5	556505	4.93	3026124	5.93	2483909	9.01
02	VHBLKS5	358632	4.94	1474185	5.92	1206437	9.01
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

MITKEM CORPORATION

* PCB Organics*

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-2
Lab ID: F0946-02

Project: Fort Edward Landfill
Collection Date: 07/11/07 09:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 00:07	31125
Surr: Tetrachloro-m-xylene	77.8		29-158	%REC	1	07/24/2007 00:07	31125
Surr: Decachlorobiphenyl	71.6		30-164	%REC	1	07/24/2007 00:07	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-2A
Lab ID: F0946-03

Project: Fort Edward Landfill
Collection Date: 07/11/07 09:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 00:36	31125
Surr: Tetrachloro-m-xylene	81.3		29-158	%REC	1	07/24/2007 00:36	31125
Surr: Decachlorobiphenyl	53.1		30-164	%REC	1	07/24/2007 00:36	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-NEW
Lab ID: F0946-04

Project: Fort Edward Landfill
Collection Date: 07/11/07 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 01:06	31125
Surr: Tetrachloro-m-xylene	69.8		29-158	%REC	1	07/24/2007 01:06	31125
Surr: Decachlorobiphenyl	73.9		30-164	%REC	1	07/24/2007 01:06	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: ME-6
Lab ID: F0946-05

Project: Fort Edward Landfill
Collection Date: 07/11/07 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 01:36	31125
Surr: Tetrachloro-m-xylene	83.2		29-158	%REC	1	07/24/2007 01:36	31125
Surr: Decachlorobiphenyl	44.3		30-164	%REC	1	07/24/2007 01:36	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-6A
Lab ID: F0946-06

Project: Fort Edward Landfill
Collection Date: 07/11/07 15:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 02:06	31125
Surr: Tetrachloro-m-xylene	83.3		29-158	%REC	1	07/24/2007 02:06	31125
Surr: Decachlorobiphenyl	40.0		30-164	%REC	1	07/24/2007 02:06	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-6B
Lab ID: F0946-07

Project: Fort Edward Landfill
Collection Date: 07/11/07 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 02:36	31125
Surr: Tetrachloro-m-xylene	48.5		29-158	%REC	1	07/24/2007 02:36	31125
Surr: Decachlorobiphenyl	35.3		30-164	%REC	1	07/24/2007 02:36	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-7
Lab ID: F0946-09

Project: Fort Edward Landfill
Collection Date: 07/11/07 16:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1221	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1232	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1242	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1248	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1254	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Aroclor-1260	ND		1.0	µg/L	1	07/24/2007 03:06	31125
Surr: Tetrachloro-m-xylene	81.9		29-158	%REC	1	07/24/2007 03:06	31125
Surr: Decachlorobiphenyl	38.1		30-164	%REC	1	07/24/2007 03:06	31125

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-1
Lab ID: F0946-11

Project: Fort Edward Landfill
Collection Date: 07/12/07 09:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1221	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1232	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1242	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1248	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1254	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Aroclor-1260	ND		1.0	µg/L	1	07/23/2007 16:38	31204
Surr: Tetrachloro-m-xylene	77.5		29-158	%REC	1	07/23/2007 16:38	31204
Surr: Decachlorobiphenyl	65.3		30-164	%REC	1	07/23/2007 16:38	31204

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-1A
Lab ID: F0946-12

Project: Fort Edward Landfill
Collection Date: 07/12/07 10:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1221	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1232	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1242	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1248	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1254	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Aroclor-1260	ND		1.0	µg/L	1	07/23/2007 17:07	31204
Surr: Tetrachloro-m-xylene	53.6		29-158	%REC	1	07/23/2007 17:07	31204
Surr: Decachlorobiphenyl	50.1		30-164	%REC	1	07/23/2007 17:07	31204

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *27-Jul-07*

Client: Earth Tech
Client Sample ID: MW-8
Lab ID: F0946-13

Project: Fort Edward Landfill
Collection Date: 07/12/07 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
PCB by GC-ECD				**SW8082_W**			
Aroclor-1016	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1221	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1232	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1242	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1248	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1254	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Aroclor-1260	ND		1.0	µg/L	1	07/23/2007 17:39	31204
Surr: Tetrachloro-m-xylene	58.5		29-158	%REC	1	07/23/2007 17:39	31204
Surr: Decachlorobiphenyl	35.8		30-164	%REC	1	07/23/2007 17:39	31204

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: Earth Tech
Work Order: F0946
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW8082_W**

Sample ID: **MB-31125** SampType: **MBLK** TestCode: **SW8082_W** Prep Date: **07/13/2007** Run ID: **E2_070717A**
Client ID: **MB-31125** Batch ID: **31125** Units: **µg/L** Analysis Date: **07/17/2007** SeqNo: **668650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor-1016	ND	1.0									
Aroclor-1221	ND	1.0									
Aroclor-1232	ND	1.0									
Aroclor-1242	ND	1.0									
Aroclor-1248	ND	1.0									
Aroclor-1254	ND	1.0									
Aroclor-1260	ND	1.0									
Surr: Tetrachloro-m-xylene	0.3414	0.050	0.4000	0	85.4	29	158	0			
Surr: Decachlorobiphenyl	0.3993	0.050	0.4000	0	99.8	30	164	0			

Sample ID: **MB-31204** SampType: **MBLK** TestCode: **SW8082_W** Prep Date: **07/17/2007** Run ID: **E2_070717A**
Client ID: **MB-31204** Batch ID: **31204** Units: **µg/L** Analysis Date: **07/23/2007** SeqNo: **668653**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor-1016	ND	1.0									
Aroclor-1221	ND	1.0									
Aroclor-1232	ND	1.0									
Aroclor-1242	ND	1.0									
Aroclor-1248	ND	1.0									
Aroclor-1254	ND	1.0									
Aroclor-1260	ND	1.0									
Surr: Tetrachloro-m-xylene	0.2929	0.050	0.4000	0	73.2	29	158	0			
Surr: Decachlorobiphenyl	0.3711	0.050	0.4000	0	92.8	30	164	0			

Sample ID: **LCS-31125** SampType: **LCS** TestCode: **SW8082_W** Prep Date: **07/13/2007** Run ID: **E2_070717A**
Client ID: **LCS-31125** Batch ID: **31125** Units: **µg/L** Analysis Date: **07/17/2007** SeqNo: **668651**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor-1016	7.908	1.0	10.00	0	79.1	24.9	143	0			
Aroclor-1260	8.368	1.0	10.00	0	83.7	23.5	152	0			
Surr: Tetrachloro-m-xylene	0.3285	0.050	0.4000	0	82.1	29	158	0			
Surr: Decachlorobiphenyl	0.3924	0.050	0.4000	0	98.1	30	164	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Earth Tech
Work Order: F0946
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8082_W

Sample ID: **LCS-31204** SampType: **LCS** TestCode: **SW8082_W** Prep Date: **07/17/2007** Run ID: **E2_070717A**
Client ID: **LCS-31204** Batch ID: **31204** Units: **µg/L** Analysis Date: **07/23/2007** SeqNo: **668654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor-1016	7.188	1.0	10.00	0	71.9	24.9	143	0			
Aroclor-1260	7.617	1.0	10.00	0	76.2	23.5	152	0			
Surr: Tetrachloro-m-xylene	0.3046	0.050	0.4000	0	76.1	29	158	0			
Surr: Decachlorobiphenyl	0.3499	0.050	0.4000	0	87.5	30	164	0			

Sample ID: **LCSD-31125** SampType: **LCSD** TestCode: **SW8082_W** Prep Date: **07/13/2007** Run ID: **E2_070717A**
Client ID: **LCSD-31125** Batch ID: **31125** Units: **µg/L** Analysis Date: **07/17/2007** SeqNo: **668652**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor-1016	7.625	1.0	10.00	0	76.2	24.9	143	7.908	3.65	40	
Aroclor-1260	8.320	1.0	10.00	0	83.2	23.5	152	8.368	0.572	40	
Surr: Tetrachloro-m-xylene	0.3091	0.050	0.4000	0	77.3	29	158	0			
Surr: Decachlorobiphenyl	0.3874	0.050	0.4000	0	96.9	30	164	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM CORPORATION

* Metals *

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

ME-6

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-05

Level (low/med): MED Date Received: 07/12/2007

% 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	545			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	51.6	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.70	B		P
7440-70-2	Calcium	67800			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	32.4	B		P
7440-50-8	Copper	0.50	U		P
7439-89-6	Iron	135000			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	17200			P
7439-96-5	Manganese	4360			P
7440-02-0	Nickel	5.6	B		P
7440-09-7	Potassium	5800			P
7782-49-2	Selenium	29.8			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	3370	B		P
7440-28-0	Thallium	28.7			P
7440-62-2	Vanadium	0.80	B		P
7440-66-6	Zinc	22.0		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

0085

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-1

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-11

Level (low/med): MED Date Received: 07/13/2007

% 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	8350			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	86.2	B		P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	43600			P
7440-47-3	Chromium	9.0	B		P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	9.0	B		P
7439-89-6	Iron	20100			P
7439-92-1	Lead	3.8			P
7439-95-4	Magnesium	11200			P
7439-96-5	Manganese	516			P
7440-02-0	Nickel	12.4	B		P
7440-09-7	Potassium	2320	B		P
7782-49-2	Selenium	10.3			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	54900			P
7440-28-0	Thallium	3.7	B		P
7440-62-2	Vanadium	23.4	B		P
7440-66-6	Zinc	56.7		E	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-1A

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-12

Level (low/med): MED Date Received: 07/13/2007

% 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	11100			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	18.6			P
7440-39-3	Barium	123	B		P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	32300			P
7440-47-3	Chromium	13.4			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	14.1	B		P
7439-89-6	Iron	11500			P
7439-92-1	Lead	8.0			P
7439-95-4	Magnesium	6340			P
7439-96-5	Manganese	267			P
7440-02-0	Nickel	14.2	B		P
7440-09-7	Potassium	3320	B		P
7782-49-2	Selenium	11.2			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	25600			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	57.0			P
7440-66-6	Zinc	52.4		E	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-2

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-02

Level (low/med): MED Date Received: 07/12/2007

% 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	530			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	27.8	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	15.3			P
7440-70-2	Calcium	63100			P
7440-47-3	Chromium	0.69	B		P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	618			P
7439-89-6	Iron	9860			P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	423			P
7440-02-0	Nickel	5.4	B		P
7440-09-7	Potassium	2420	B		P
7782-49-2	Selenium	12.4			P
7440-22-4	Silver	6.1	B		P
7440-23-5	Sodium	60100			P
7440-28-0	Thallium	4.3	B		P
7440-62-2	Vanadium	20.5	B		P
7440-66-6	Zinc	103		E	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-2A

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-03

Level (low/med): MED Date Received: 07/12/2007

% 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	4810			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	117	B		P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	42800			P
7440-47-3	Chromium	6.2	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	5.5	B		P
7439-89-6	Iron	15200			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	17400			P
7439-96-5	Manganese	459			P
7440-02-0	Nickel	7.0	B		P
7440-09-7	Potassium	2800	B		P
7782-49-2	Selenium	11.8			P
7440-22-4	Silver	2.1	B		P
7440-23-5	Sodium	28900			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	36.3		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6A

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-06

Level (low/med): MED Date Received: 07/12/2007

% 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	99.6	B		P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	16.3			P
7440-39-3	Barium	224			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.69	B		P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	12.5	B		P
7440-50-8	Copper	11.8	B		P
7439-89-6	Iron	33100			P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	43500			P
7439-96-5	Manganese	2620			P
7440-02-0	Nickel	26.7	B		P
7440-09-7	Potassium	10400			P
7782-49-2	Selenium	10.2			P
7440-22-4	Silver	4.4	B		P
7440-23-5	Sodium	96900			P
7440-28-0	Thallium	7.9	B		P
7440-62-2	Vanadium	0.60	U		P
7440-66-6	Zinc	26.7		E	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-6B

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-07

Level (low/med): MED Date Received: 07/12/2007

% 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	116000			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	30.3			P
7440-39-3	Barium	965			P
7440-41-7	Beryllium	6.3			P
7440-43-9	Cadmium	679			P
7440-70-2	Calcium	326000			P
7440-47-3	Chromium	189			P
7440-48-4	Cobalt	85.3			P
7440-50-8	Copper	182			P
7439-89-6	Iron	157000			P
7439-92-1	Lead	64.3			P
7439-95-4	Magnesium	69600			P
7439-96-5	Manganese	3820			P
7440-02-0	Nickel	219			P
7440-09-7	Potassium	21200			P
7782-49-2	Selenium	14.9			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	54800			P
7440-28-0	Thallium	23.8			P
7440-62-2	Vanadium	206			P
7440-66-6	Zinc	735		E	P

Color Before BLACK Clarity Before: CLOUDY Texture:

Color After: GREY Clarity After: CLOUDY Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-7

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-09

Level (low/med): MED Date Received: 07/12/2007

% 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	217			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	34.5	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	76000			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	138			P
7440-50-8	Copper	0.50	U		P
7439-89-6	Iron	217000			P
7439-92-1	Lead	4.3			P
7439-95-4	Magnesium	16600			P
7439-96-5	Manganese	12600			P
7440-02-0	Nickel	49.2			P
7440-09-7	Potassium	2390	B		P
7782-49-2	Selenium	34.2			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	3490	B		P
7440-28-0	Thallium	63.3			P
7440-62-2	Vanadium	0.60	U		P
7440-66-6	Zinc	150		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-8

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-13

Level (low/med): MED Date Received: 07/13/2007

% 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	16500			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	7.2	B		P
7440-39-3	Barium	147	B		P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	55400			P
7440-47-3	Chromium	19.3			P
7440-48-4	Cobalt	9.5	B		P
7440-50-8	Copper	10.7	B		P
7439-89-6	Iron	19900			P
7439-92-1	Lead	8.4			P
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	267			P
7440-02-0	Nickel	17.6	B		P
7440-09-7	Potassium	3990	B		P
7782-49-2	Selenium	11.5			P
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	12000			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	28.4	B		P
7440-66-6	Zinc	115		E	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-NEW

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Matrix (soil/water): WATER Lab Sample ID: F0946-04

Level (low/med): MED Date Received: 07/12/2007

% 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	800			P
7440-36-0	Antimony	5.2	B		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	69.8	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	74300			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	2.5	B		P
7439-89-6	Iron	1590			P
7439-92-1	Lead	1.2	U		P
7439-95-4	Magnesium	153000			P
7439-96-5	Manganese	66.3			P
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	2230	B		P
7782-49-2	Selenium	10.2			P
7440-22-4	Silver	8.6	B		P
7440-23-5	Sodium	197000			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	17.9	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-31220

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA3_070718E

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	25.2	U	-31.0	B	25.2	U	25.2	U	-15.828	B	
Sodium	11.7	U	11.7	U	11.7	U	11.7	U	-23.090	B	

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_070718E

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium			-44.3	B	25.2	U	-25.6	B			
Sodium			11.7	U	14.4	B	11.7	U			

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BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-31220

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA3_070723B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum	36.2	U	36.2	U	36.2	U	36.2	U	18.188	B	
Arsenic	4.9	U	4.9	U	4.9	U	4.9	U	-2.895	B	
Barium	0.4	B	0.2	B	0.2	B	0.2	B	0.119	B	
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.000	B	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	-0.043	B	
Calcium	79.7	B	73.3	B	61.9	B	60.5	U	110.639	B	
Chromium	0.3	U	0.3	U	0.3	U	0.3	U	0.111	B	
Cobalt	0.3	B	0.3	U	0.3	U	0.3	B	0.167	B	
Copper	0.6	B	0.5	U	-0.5	B	0.5	U	0.793	B	
Iron	2.7	U	3.2	B	2.7	U	3.6	B	6.545	B	
Lead	1.9	B	1.2	U	1.2	U	1.2	U	0.889	B	
Magnesium	6.3	U	10.4	B	7.5	B	6.3	U	6.007	B	
Manganese	0.6	U	0.6	U	0.6	U	0.6	U	0.785	B	
Silver	2.7	B	1.8	B	0.9	U	0.9	U	6.720	B	
Thallium	2.9	U	2.9	U	2.9	U	2.9	U	-3.264	B	
Vanadium	0.6	U	0.6	U	0.6	U	0.6	U	-0.153	B	
Zinc	0.6	B	0.4	B	0.4	B	0.4	B	0.568	B	

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-31220

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

OPTIMA3_070724C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony	3.4	U	3.4	U	3.4	U	3.4	U	0.581	B	
Nickel	0.5	U	0.5	U	0.5	U	0.5	U	0.169	B	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	1.632	B	

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_070724C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			3.4	U	3.4	U	3.4	U			
Nickel			0.5	U	0.5	U	0.5	U			
Selenium			4.8	U	4.8	U					

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_070724C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			3.4	U							
Nickel			0.5	U							

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3

BLANKS

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_070726B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Selenium	4.8	U	4.9	B	4.8	U	4.8	U			

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7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0946

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-31220

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9391.37	103.2						
Antimony	455.0	399.19	87.7						
Arsenic	455.0	486.09	106.8						
Barium	9100.0	9947.04	109.3						
Beryllium	227.0	254.67	112.2						
Cadmium	227.0	255.06	112.4						
Calcium	22700.0	23823.72	105.0						
Chromium	910.0	1055.97	116.0						
Cobalt	2270.0	2612.83	115.1						
Copper	1130.0	1216.92	107.7						
Iron	4550.0	5057.20	111.1						
Lead	455.0	521.55	114.6						
Magnesium	22700.0	24551.99	108.2						
Manganese	2270.0	2547.62	112.2						
Nickel	2270.0	2578.83	113.6						
Potassium	22700.0	22836.05	100.6						
Selenium	455.0	534.06	117.4						
Silver	1130.0	1315.48	116.4						
Sodium	22700.0	23190.04	102.2						
Thallium	455.0	518.26	113.9						
Vanadium	2270.0	2539.98	111.9						
Zinc	2270.0	2580.69	113.7						

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