# FINAL SEMIANNUAL SAMPLING REPORT (June 2006 Sampling Event)

Multi Site G Operation, Maintenance & Monitoring

ServAll Laundry Site Bay Shore, Suffolk County, NY Site 1-52-077

Work Assignment No. D004445-14

Prepared for:



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# 1.0 INTRODUCTION

Past releases from the ServAll Laundry Site in Bay Shore, New York (Site No. 1-52-077) resulted in the contamination of soil and groundwater at the Site and surrounding areas. Earth Tech was tasked with collecting two rounds of semiannual samples from selected monitoring wells as part of a long term monitoring plan. This report presents the results from the first semiannual sampling effort conducted in June 2006.

# 2.0 SITE DESCRIPTION AND BACKGROUND

The ServAll Laundry site is located at 8 Drayton Avenue, Bay Shore, New York (see Figure 1). ServAll Uniform Rental, Inc. operated as a commercial laundry from 1969 to 1972, and as dry cleaner/laundry from 1972 to 1984. During this time, unknown quantities of wash water overflow containing tetrachloroethene (PCE) and heavy metals were pumped to, and occasionally overflowed from, onsite cesspools. A groundwater contaminant plume of PCE and vinyl chloride has migrated about two miles southeast of the Site. The contaminant plume may be entering Penataquit Creek, which empties into Great Cove. The leading front of the contaminant plume is apparently in close proximity to Awixa Creek. Fifteen monitoring wells were identified for sampling (see Figure 2).

# 3.0 FIELD ACTIVITIES

The field sampling at the ServAll Laundry Site occurred on June 6 through June 16, 2006. Sampling was conducted in accordance with the Sampling and Analysis Plan (SAP) prepared by Earth Tech, dated April 2006. The SAP is comprised of the Field Sampling Plan (FSP), the Quality Assurance Project Plan (QAPP) and the Safe Work Plan (SWP). All field work was performed in Level D personal protection.

### 3.1 Well Inventory and Water Level Survey

Prior to the start of the first semiannual groundwater sampling event, an inventory of all known piezometers associated with the Site was performed. Previous records indicated that 47 piezometers were installed at off-site locations. Eighteen wells were identified for the survey. As the exact location of all wells and piezometers was not known prior to the start of field work, every effort was made to locate each well and piezometer. However, only 12 monitoring wells and 24 piezometers were actually located. Once a well or piezometer was identified, its location was photo-documented and measured from fixed points. A handheld GPS unit was also utilized to record the location. Each monitoring well and piezometer located was inventoried to assess its integrity. A list of the monitoring wells is presented in Table 1 and piezometers are included in Table 2 indicating their status.

Water level measurements were also recorded for all wells that could be located. Water level measurements were recorded in the Field Notebook and on the Well Sampling Forms in Appendix A. A summary of groundwater elevations in selected monitoring wells is presented in Table 3. A groundwater contour map was prepared for the June 2006 sampling event and is presented in Figure 3. As shown on the map, groundwater flow is to the south-southeast. This flow direction is similar to that found during previous investigations.

### **3.2** Groundwater Sampling

Fifteen monitoring wells were identified for long term monitoring at the Site. The selected wells included MW-2, MW-3A, MW-3B, MW-48, MW-5, MW-6A, MW-6B, MW-9, MW-11, MW-12, MW-13,

MW-14, MW-16, MW-23S and MW-23D. Three wells, MW-2, MW-3B and MW-9 could not be located in the field and were determined by the field crew to have been destroyed. Each location was photo-documented and a hand-held GPS unit was used to record the coordinates.

A Waterra HydroLift II pump with black polyethylene tubing was used to purge each monitoring well prior to sampling. Monitoring wells were purged of at least three casing volumes of water prior to sampling. Measurements of pH, specific conductance, temperature and turbidity were recorded on the Well Sampling Forms during purging. Well Sampling Forms are provided in Appendix A. Once the minimum volume of water had been evacuated, a dedicated Teflon bailer was used to collect a groundwater sample. The sample was carefully poured into laboratory supplied containers and placed in an ice-filled cooler. The samples were then transported to Mitkem Laboratory via Federal Express. Proper chain-of-custody procedures and requirements were maintained throughout the sampling event in accordance with the QAPP.

# 4.0 SAMPLING RESULTS

Groundwater samples were analyzed by Mitkem Laboratory of Warwick, Rhode Island. Samples were analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260B and for target analyte list metals (TAL metals) by SW-846 Method 7470A and Method 6010B for mercury. Data packages consisted of an NYS ASP Category B deliverable. As this is a long term monitoring project, data was not validated. An Earth Tech chemist provided a cursory review of the data packages for completeness. The laboratory Data Summary Packages are in Appendix B. Of the 15 wells selected for sampling, only 12 were found to be intact as noted in Section 3.0. A summary of the detections is presented in Table 4. A summary of the exceedances is also presented on Figure 4. The sampling results are described below.

VOCs were not detected in monitoring well MW-3A. Three metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-3A: chromium was detected at a concentration of 55.8 micrograms per liter ( $\mu$ g/L) (Class GA criterion of 50  $\mu$ g/L); iron was detected at a concentration of 1,070  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); and sodium was detected at a concentration of 129,000  $\mu$ g/L (Class GA criterion of 20,000  $\mu$ g/L).

VOCs were not detected in monitoring well MW-4. Three metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-4: chromium was detected at a concentration of 534  $\mu$ /L (Class GA criterion of 50  $\mu$ g/L); iron was detected at a concentration of 1,710  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); and nickel was detected at a concentration of 240  $\mu$ g/L (Class GA criterion of 100  $\mu$ g/L).

The only VOC detected in monitoring well MW-5 was cis-1,2-dichloroethene, at an estimated concentration of 3.0  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L). Two metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-5: chromium was detected at a concentration of 80.5  $\mu$ /L (Class GA criterion of 50  $\mu$ g/L); iron was detected at a concentration of 934  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); and thallium was detected at an estimated concentration of 1.4  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

VOCs were not detected in monitoring well MW-6A. Six metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-6A: chromium was detected at a concentration of 607  $\mu$ g/L (Class GA criterion of 50  $\mu$ g/L); iron was detected at a concentration of 3,780  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); manganese was detected at a concentration of 7,140  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration of 59,600  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L (Class GA criterion 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L); sodium was detected at a concentration 0f 300  $\mu$ g/L); sodium was detected at a concentration 0

criterion of 20,000  $\mu$ g/L); and thallium was detected at a concentration of 32.3  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

Three VOCs were detected in monitoring well MW-6B above the Class GA criteria: cis-1,2-dichloroethene was detected at a concentration of 210  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); trichloroethene (TCE) was detected at a concentration of 85  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); and PCE was detected at a concentration of 1,100  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L). Two metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-6B: chromium was detected at a concentration of 62.2  $\mu$ g/L (Class GA criterion of 50  $\mu$ g/L); and iron was detected at a concentration of 1,950  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L).

PCE was detected at a concentration of 25  $\mu$ g/L in monitoring well MW-11 above its Class GA criterion of 5  $\mu$ g/L. Three metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-11: chromium was detected at a concentration of 50.1  $\mu$ g/L (Class GA criterion of 50  $\mu$ g/L); iron was detected at a concentration of 1,510  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); and sodium was detected at a concentration of 23,700  $\mu$ g/L (Class GA criterion of 20,000  $\mu$ g/L).

Two VOCs were detected in monitoring well MW-12 above the Class GA criteria: PCE was detected at a concentration of 56  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L) and 1,2-dichlorobenzene was detected at a concentration of 9  $\mu$ g/L (Class GA criterion of 4.7  $\mu$ g/L). Six metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-12: chromium was detected at a concentration of 1,130  $\mu$ g/L (Class GA criterion of 50  $\mu$ g/L); iron as detected at a concentration of 2,810  $\mu$ g/L (Class GA criterion 0 f 300  $\mu$ g/L); manganese was detected at a concentration of 7,270  $\mu$ g/L (Class GA criterion of 100  $\mu$ g/L); sodium was detected at a concentration of 1,290  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

VOCs were not detected in monitoring well MW-13 above the Class GA criteria. Two metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-13: antimony was detected at a concentration of 6.3  $\mu$ g/L (Class GA criterion of 3  $\mu$ g/L); sodium was detected at a concentration of 35,700  $\mu$ g/L (Class GA criterion of 20,000  $\mu$ g/L); and thallium was detected at an estimated concentration of 1.7  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

VOCs were not detected in monitoring well MW-14 above the Class GA criteria. Two metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-14: iron was detected at a concentration of 449  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); sodium was detected at a concentration of 60,500  $\mu$ g/L (Class GA criterion of 20,000  $\mu$ g/L); and thallium was detected at an estimated concentration of 1.3  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

Four VOCs were detected in monitoring well MW-16 above the Class GA criteria: cis-1,2-dichloroethene was detected at a concentration of 15  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); 1,1,1-trichloroethane was detected at a concentration of 5  $\mu$ g/L); and PCE was detected at a concentration of 25  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); TCE was detected at a concentration of 16  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); and PCE was detected at a concentration of 25  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L). Four metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-16: chromium was detected at a concentration of 1,660  $\mu$ g/L (Class GA criterion of 50  $\mu$ g/L); iron as detected at a concentration of 7,270  $\mu$ g/L (Class GA criterion 0 f 300  $\mu$ g/L); nickel was detected at a concentration of 125  $\mu$ g/L (Class GA criterion of 100  $\mu$ g/L); and sodium was detected at a concentration of 24,500.

Three VOCs were detected in monitoring well MW-23S above the Class GA criteria: cis-1,2-dichloroethene was detected at a concentration of 360  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); TCE

was detected at a concentration of 220  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L); and PCE was detected at a concentration of 5,200  $\mu$ g/L (Class GA criterion of 5  $\mu$ g/L). Three metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-23S: manganese was detected at a concentration of 1,570  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); sodium was detected at a concentration of 28,700; and thallium was detected at a concentration of 7.8  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

VOCs were not detected above their respective Class GA criterion in monitoring well MW-23D. Two metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-23D: iron was detected at a concentration of 3,800  $\mu$ g/L (Class GA criterion of 300  $\mu$ g/L); and thallium was detected at an estimated concentration of 1.3  $\mu$ g/L (Class GA criterion of 0.5  $\mu$ g/L).

# 4.1 Volatile Organic Compounds

Targeted VOCs were not detected in monitoring wells MW-3A, MW-4, MW-6, and MW-14. All targeted VOCs were reported as either not detected or below their respective NYSDEC Class GA Groundwater Criterion in monitoring wells MW-5, MW-13 and MW-23D.

Five VOCs were detected at concentrations above their respective Class GA criterion in monitoring wells MW-6B, MW-11, MW-12, MW-16 and MW-23S. These exceedances included cis-1,2 dichloroethene, 1,1,1-trichloroethane, TCE, PCE and 1,2 dichlorobenzene.

Concentrations of cis-1,2 dichloroethene (Class GA criterion of 5  $\mu$ g/L) ranged from an estimated concentration of 3  $\mu$ g/L at MW-5 and MW-11 to 360  $\mu$ g/L at MW-23S. 1,1,1-Trichloroethane (Class GA criterion of 5  $\mu$ g/L) was detected at a concentration of 5  $\mu$ g/L in monitoring well MW-16. Concentrations of TCE (Class GA criterion 5  $\mu$ g/L)  $\mu$ g/L at MW-13 to 220  $\mu$ g/L at MW-23S. Concentrations of PCE (Class GA criterion 5  $\mu$ g/L) ranged from an estimated 4  $\mu$ g/L at MW-23D to 5,200  $\mu$ g/L at MW-23S. 1,2 Dichlorobenzene (Class GA criterion 5  $\mu$ g/L) was detected in monitoring well MW-12 at a concentration of 9  $\mu$ g/L.

A summary of historic PCE concentration data for selected monitoring wells is shown on Table 5. The data presented on this table is a compilation of data available for review during the preparation of this report and may not include all groundwater sampling results. PCE concentrations show a significant increase in monitoring wells MW-6A and MW-23S. At MW-6B, PCE concentrations had decreased through the 1990s to a low of 22  $\mu$ g/L by January 1999. There was an increase noted in July 2000 to 160  $\mu$ g/L followed by an order of magnitude increase in the most recent (June 2006) sampling event to 1,100  $\mu$ g/L. Further sampling will be necessary to confirm this finding.

PCE concentrations have also significantly increased in monitoring well MW-23S. Historically, PCE concentrations at this location were less than 30  $\mu$ g/L and were below the Class GA criterion of 5  $\mu$ g/L during the May 2004 sampling event. During the June 2006 sampling event, the PCE concentration at this location was 5,200  $\mu$ g/L. The cause of this increase is not known at this time. Further sampling will be necessary to confirm this finding.

# 4.2 TAL Metals

Of the 23 TAL metals, six metals were detected at concentrations above their respective Class GA criterion. These exceedances included antimony, chromium, iron, manganese, sodium and thallium.

Antimony was detected in five wells at concentrations ranging from an estimated 1.4  $\mu$ g/L at MW-23D to 6.3  $\mu$ g/L at MW-13, the only location where antimony exceeded the Class GA criterion of 3  $\mu$ g/L. Chromium was detected in all 12 samples. Eight samples exceeded the Class GA criterion of 50  $\mu$ g/L

with the highest concentration, 1,660  $\mu$ g/L, at MW-16. Iron was also detected in all 12 samples with the concentration exceeding the Class GA criterion of 300  $\mu$ g/L in 10 samples. The highest iron concentration was detected in MW-16, 7,270  $\mu$ g/L. Manganese was detected in all 12 samples. Three samples exceeded the Class GA criterion of 300  $\mu$ g/L with the highest concentration noted at MW-6A, 7,140  $\mu$ g/L. Sodium was detected in all 12 samples. Eight samples exceeded the Class GA criterion of 20,000  $\mu$ g/L with the highest concentration noted at MW-3A, 129,000  $\mu$ g/L. Thallium was detected at seven locations with three samples exceeding the Class GA criterion of 4  $\mu$ g/L. The highest thallium concentration was noted in MW-23S, 7.8  $\mu$ g/L.

# 5.0 SUMMARY AND RECOMMENDATIONS FOR FUTURE SITE REMEDIATION ACTIVITIES

Concentrations of PCE and its breakdown daughter products (TCE, 1,1,1-trichloroethane, and cis-1,2-dichloroethene were detected in several monitoring wells. Of the five monitoring wells near the Site that were sampled (MW-3, MW-4, MW-5, MW-6A and MW-6B), PCE was only detected in deep monitoring well MW-6B (1,100  $\mu$ g/L); it was not detected in the other four wells near the Site. Three of the monitoring wells sampled were located approximately halfway between the Site and the Bay Shore Middle School (MW-12, MW-13 and MW-14) along the Southern State Parkway. PCE was detected in two wells MW-12 (17  $\mu$ g/L) and MW-13 (5  $\mu$ g/L). PCE was not detected in groundwater at MW-14. Of the two monitoring wells near the Bay Shore Middle School that were sampled (MW-11 and MW-16) PCE was found at concentrations of 56  $\mu$ g/L and 25  $\mu$ g/L, respectively. Several daughter products were also detected at MW-16 that had not been detected at other locations closer to the Site. The two most downgradient wells sampled (MW-23S and MW-23D) were located near the Sunrise Highway. PCE was detected in MW-23S at a concentration of 5,200  $\mu$ g/L along with high concentrations of two daughter products, TCE and cis-1,2-dichloroethene. PCE was detected at an estimated concentration of 4  $\mu$ g/L in MW-23D.

Several metals were detected above the Class GA criterion in all 12 wells that were sampled during June 2006 event. Three of the metals, iron, manganese and sodium, are naturally occurring elements and will not be discussed further.

Chromium was found in all five near Site wells, MW-3A, MW-4, MW-5, MW-6A and MW-6B. Concentrations ranged from slightly above the 50  $\mu$ g/L criterion (MW-3A, MW-5 and MW-6B) to an order of magnitude above the criterion at MW-4 and MW-6A. Chromium concentrations in the three wells along the Southern State Parkway ranged from below the criterion at MW-13 and MW-14 to 1,130  $\mu$ g/L at MW-12.

Nickel was found at concentrations above the Class GA criterion of 100  $\mu$ g/L in two near Site wells, MW-4 (240  $\mu$ g/L) and MW-6A (160  $\mu$ g/L). Nickel was found above the criterion in MW-12 (1,290  $\mu$ g/L), one of the three monitoring wells along the Southern State Parkway, at more than an order of magnitude above the criterion. Nickel was found slightly above the criterion in one monitoring well at the Bay Shore Middle School, MW-16 (125  $\mu$ g/L).

Thallium was detected at concentrations above the Class GA criterion of 0.5  $\mu$ g/L in seven of 12 wells sampled. At four wells (MW-5, MW-13, MW-14 and MW-23D), the concentrations were approximately three times the criterion. Significantly higher concentrations were found at MW-12 (5 $\mu$ g/L), MW-23S (7.8  $\mu$ g/L) and MW-6A (32.3  $\mu$ g/L).

Future recommendations for the ServAll Laundry Site are continued monitoring of selected monitoring wells for VOCs and TAL metals. The significant increase in PCE concentration at monitoring wells MW-6B and MEW-23S will be reevaluated during the next sampling event.

# TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) MONITORING WELL LOCATIONS

Well ID	Latitude	Longitude	Comments
MW-1			Behind Servall Building
MW-2			Well appears to be missing
MW-3A			Well appears to be missing
MW-3B	40° 45.29	73° 15.73	West of the building on the north side of Drayton Avenue
MW-4	40° 45.22	73° 15.69	On north side of Frederick Avenue
MW-5	40° 45.22	73° 15.73'	On north side of Frederick Avenue
MW-6A	40° 45.22	73° 15.71	On north side of Frederick Avenue
MW-6B	40° 45.22	73° 15.72	On north side of Frederick Avenue
MW-7			Well appears to be missing
MW-8			Well appears to be missing
MW-9			Well appears to have been paved over or removed
MW-11	40° 44.49	73° 15.12	In grass on field at Bayshore Middle School
MW-12	40° 44.86	73° 15.48	In woods along Southern State Parkway near light pole
MW-13	40° 44.84	73° 15.39	In woods along Southern State Parkway near light pole
MW-14	40° 44.84	73° 15.26	In woods along Southern State Parkway near light pole
MW-16	40° 44.35	73° 15.05	South side of Abrew Street in roadway
MW-23S	40° 44 07	7.3° 14 92	In roadway on Cul-de-sac on Perkel Street
MW-23D	40° 44.07	73° 14.93	In roadway on Cul-de-sac on Perkel Street

Bolded monitoring wells are severely damaged and require repairs to the road box

# TABLE 2 SERVALL LAUNDRY SITE (Site 1-52-077) PIEZOMETER LOCATIONS

Piezometer	Latitude	Longitude	Found	Comment
PZ-94-1S	N40° 43.326	W73° 13.262		In the road at the west end of 39 Maple Street
PZ-94-2S			No	Overgrown vegetation, might be visible in winter
PZ-94-3D	N40° 42.962	W73° 14.078		Only one lid found in front of 145 Awixa Ave Could be either
PZ-94-3S	N40° 42.962	W73° 14.078	No	piezometer
PZ-4	N40° 45.297	W73° 15.648		In front of 15 Frederick Ave (10 feet west of MW-4)
PZ-94-4D	N40° 42.798	W73° 14.545		Across from marina by vacant lot
PZ-94-4S	N40° 42.798	W73° 14.545		Across from marina by vacant lot
PZ-5	N40° 45.301	W73° 15.695		In front of 9 Frederick Ave
PZ-94-5S			No	Pavement looks new
PZ-94-6S	N40° 43.606	W73° 13.348		West Side of Athasca Rd in front of Arnotts Winter Brothers
PZ-94-7D	N40° 43.499	W73° 13.683		North of entrance to Montfort Spiritual Center driveway
PZ-94-7S	N40° 43.499	W73° 13.683		North of entrance to Montfort Spiritual Center driveway
PZ-94-8D			No	
PZ-94-8S			No	
PZ-94-9D	N40° 43.063	W73° 14.509		In front of 11 Shore Lane
PZ-94-9S	N40° 43.063	W73° 14.508		In front of 11 Shore Lane
PZ-94-11S	N40° 42.942	W73° 15.145		On corner of Garner and Manatuck
PZ-94-12S			No	
PZ-94-13S			No	
PZ-94-14D	N40° 43.586	W73° 14.598		On Aletta Place at the exit of the Southside Hospital
PZ-94-14S	N40° 43.586	W73° 14.598		Employee parking lot
PZ-94-15S			No	
PZ-94-16S	N40° 43.188	W73° 15.352		Across from 26 Community Ave in a four well cluster
PZ-94-17D			No	Side of road is loose gravel and sand
PZ-94-17S			NO	Side of road is loose gravel and sand
PZ-94-18S			NO	Possibly under sand and puddles
PZ-94-19D			NO	Orevel, and and every superstation
PZ-94-195			NO No	Gravel, sand, and overgrown vegetation
PZ-94-205			NO No	
PZ-94-21D			No	
PZ-94-213	N140º 44 297	\ <u>\</u> /72° 1 <i>1</i> 511	INU	Across from 1 Parry Street between sidewalk and street
PZ-94-223	N40 44.207	W/73° 14.014		Across nom i barry Street between sidewark and street
F Z-94-233	1140 44.090	W75 14.925		In front of high school near 3rd ave and Perkel Street
P7-94-24S	N40° 43 926	W73° 15 338		intersection
P7-94-25S	1140 43.320	10.000	No	New Pavement
PZ-94-26S			No	New Pavement and nuisance dumping
PZ-94-27D	N40° 42 855	W73° 13 304		In road on north side of road across from 3 Ocean Street
PZ-94-28D			No	
PZ-94-28S			No	
PZ-102R	N40° 45.257	W73° 15.575		25 Feet north of fire hydrant on Stein Drive
PZ-103R			No	·
PZ-104R	N50° 45.230	W73° 15.581		6 feet southwest of storm drain inlet on Stein Drive
PZ-105	N40° 45.213	W73° 15.585		4 feet east of stop sign
PZ-106R			No	
PZ-107R			No	
PZ-108	N40° 45.222	W73° 15.638		In front of 17 Walbridge Ave
PZ-109	N40° 45.214	W73° 15.597		Three feet west of driveway

# TABLE 3 SERVALL LAUNDRY SITE (SITE 1-52-077) GROUNDWATER ELEVATIONS

Well #	Reference	Date	Depth	Water Table	Comments
	Elevation		To Water	Elevation	
MW-3A	64.54	2/12/91 6/6/06	20.68	54.20 43.86	June 2006 sampling event
MW-4	63.11	2/12/91 6/16/06	20.34	44.34 42.77	June 2006 sampling event
MW-5	64.04	2/12/91 6/15/06	20.98	44.60 43.06	June 2006 sampling event
MW-6A	63.87	2/12/91 6/15/06	20.93	44.31 42.94	June 2006 sampling event
MW-6B	63.83	2/12/91 6/15/06	20.89	44.34 42.94	June 2006 sampling event
MW-11	37.07	2/12/91 6/8/06	8.80	28.44 28.27	June 2006 sampling event
MW-12	50.61	2/12/91 6/15/06	14.15	37.46 36.46	June 2006 sampling event
MW-13	50.33	2/12/91 6/15/06	18.51	36.56 31.82	June 2006 sampling event
MW-14	49.98	2/12/91 6/15/06	15.01	35.63 34.97	June 2006 sampling event
MW-16	36.50	2/12/91 6/15/06	10.52	24.82 25.98	June 2006 sampling event
MW-23S	24.38	6/8/06	5.25	19.13	June 2006 sampling event
MW-23D	24.45	6/8/06	5.15	19.30	June 2006 sampling event

# TABLE 4SERVALL LAUNDRY SITE (SITE 1-52-077)SUMMARY OF VOCS AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-3A	MW-3B	MW-4	MW-5	
Sample ID	Class GA		SMW-3A		SMW-4	SMW-5	
Laboratory ID	Groundwater	Destroyed	E0773-18	Destroyed	E0832-10	E0832-05	
Sample Date	Criteria	Criteria 6/6/06		6/6/06	6/16/06	6/15/06	
Matrix	water	water	water	water	water	water	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	
Volatile Organic Compounds							
1,1-Dichloroethene	5		ND		ND	ND	
Acetone	50		ND		ND	ND	
Methyl tert-butyl ether			ND		ND	ND	
cis-1,2-Dichloroethene	5		ND		ND	3.0 J	
1,1,1-Trichloroethane	5		ND		ND	ND	
Trichloroethene	5		ND		ND	ND	
Tetrachloroethene	5		ND		ND	ND	
Chlorobenzene	5		ND		ND	ND	
1,2-Dichlorobenzene	4.7		ND		ND	ND	
Number of TICs			0		0	0	
Total TICs			ND		ND	ND	
TAL Metals							
Aluminum	NC		749		82.5 B	391	
Antimony	3		ND		ND	ND	
Arsenic	25		ND		2.2 B	1.7 B	
Barium	1,000		67.3 B		16.7 B	17.9 B	
Beryllium	3		ND		ND	ND	
Cadmium	5		ND		0.73 B	2.4 B	
Calcium	NC		10,800		13,600	20,700	
Chromium	50		55.8		534	80.5	
Cobalt	NC		2.4 B		1.6 B	1.3 B	
Copper	200		13 B		33.6	6.8 B	
Iron	300		1,070		1,710	934	
Lead	25		ND		1.6 B	3.6 B	
Magnesium	35,000		4,290		3,310	3,420	
Manganese	300		143		181	209	
Nickel	100		23.6 B		240	39.1 B	
Potassium	NC		2,170		2,710	2,490	
Selenium	10		ND		ND	ND	
Sodium	20,000		129,000		13,400	13,400	
Thallium	0.5		ND		ND	1.4 B	
Vanadium	NC		1.4 B		1.4 B	0.89 B	
Zinc	2,000		53.7		17.7 B	29.2 B	

ND - Not detected

B - Estimated value

D - Dilution

J - Estimated value

BOLD/ITALICS - exceeds criterion

# TABLE 4SERVALL LAUNDRY SITE (SITE 1-52-077)SUMMARY OF VOCS AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6B	MW-9	MW-11	MW-12
Sample ID	Class GA	SMW-6A	SMW-6B		SMW-11	SMW-12
Laboratory ID	Groundwater	E0832-06	E0832-07	Destroyed	E0773-19	E0832-01
Sample Date	Criteria	6/15/06	6/15/06	6/09/06	6/8/06	6/15/06
Matrix	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds						
1,1-Dichloroethene	5	ND	ND		ND	ND
Acetone	50	ND	ND		ND	ND
Methyl tert-butyl ether		ND	ND		ND	ND
cis-1,2-Dichloroethene	5	ND	210 D		3.0 J	ND
1,1,1-Trichloroethane	5	ND	ND		ND	ND
Trichloroethene	5	ND	85		4 J	ND
Tetrachloroethene	5	ND	1,100 D		56	17
Chlorobenzene	5	ND	ND		ND	4 J
1,2-Dichlorobenzene	4.7	ND	ND		ND	9
Number of TICs		0	0		1	0
Total TICs		ND	ND		6 J	ND
TAL Metals						
Aluminum	NC	527	2.000		1,440	369
Antimony	3	ND	2.7 B		ND	1.8 B
Arsenic	25	3.5 B	ND		1.7 B	8.2 B
Barium	1.000	72.2 B	19.3 B		46.1 B	67.6 B
Bervllium	3	ND	ND		ND	ND
Cadmium	5	1.5 B	0.75 B		4.4 B	2.8 B
Calcium	NC	33,800	19,600		11,100	17,000
Chromium	50	607	62.2		50.1	1,130
Cobalt	NC	11.3 B	2.2 B		2.7 B	24.3 B
Copper	200	16 B	17.5 B		18.5 B	67.9
Iron	300	3,780	1,950		1,510	2,810
Lead	25	4.1 B	2.8 B		ND	4.9 B
Magnesium	35,000	5,070	3,430		3,560	3,050
Manganese	300	7,140	81.6		30.7 B	746
Nickel	100	160	46.1 B		22.4 B	1,290
Potassium	NC	2,390	2,210		1,940	2,980
Selenium	10	1.7 B	ND		ND	3.1 B
Sodium	20,000	59,600	17,800		23,700	62,500
Thallium	0.5	32.3	ND		ND	5 B
Vanadium	NC	2.6 B	1.1 B		2.7 B	2.1 B
Zinc	2,000	45.6 B	53.6		80.9	35.2 B

ND - Not detected

B - Estimated value

D - Dilution

J - Estimated value

**BOLD/ITALICS** - exceeds criterion

# TABLE 4SERVALL LAUNDRY SITE (SITE 1-52-077)SUMMARY OF VOCS AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13	MW-14	MW-16	MW-23S	MW-23D
Sample ID	Class GA	SMW-13	SMW-14	SMW-16	SMW-23S	SMW-23D
Laboratory ID	Groundwater	E0832-02	E0832-03	E0832-04	E0773-20	E0773-21
Sample Date	Criteria	6/15/06	6/15/06	6/15/06	6/8/06	6/8/06
Matrix	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds						
1,1-Dichloroethene	5	ND	ND	4 J	ND	ND
Acetone	50	4 J	ND	ND	ND	ND
Methyl tert-butyl ether		ND	ND	2 J	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	15	360 D	ND
1,1,1-Trichloroethane	5	ND	ND	5	ND	ND
Trichloroethene	5	3 J	ND	16	220 D	ND
Tetrachloroethene	5	5	ND	25	5,200 D	4 J
Chlorobenzene	5	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND
Number of TICs		0	0	0	2	1
Total TICs		ND	ND	ND	1,250 NJD	6 J
TΔI Metals						
Aluminum	NC	38.5 B	139 B	534	253	7 130
Antimony	3	6.3 B	27 B		ND	14 B
Arsenic	25	17B	ND	7 B	ND	25 B
Barium	1 000	55.5 B	48.6 B	13.6 B	25.6 B	77.8 B
Bervllium	3	ND	ND	ND	ND	0.6 B
Cadmium	5	38 B	13B	0.71 B	ND	
Calcium	NC	18 200	7 550	9 750	17 800	14 800
Chromium	50	12.2 B	49.9	1,660	0.66 B	12.2 B
Cobalt	NC	1.3 B	1.3 B	4 B	2 B	5 B
Copper	200	8.3 B	ND	8.6 B	8.5 B	27.2 B
Iron	300	153 B	449	7.270	133 B	3.800
Lead	25	2.1 B	1.7 B	2.8 B	ND	ND
Magnesium	35.000	8.570	3.540	4.790	6.830	2.440
Manganese	300	108	25.6 B	51.8	1.570	109
Nickel	100	12 B	24.3 B	125	15 B	7.6 B
Potassium	NC	1.310	1.550	1.040	1.340	3.270
Selenium	10	ND	1.4 B	2.2 B	ND	ND
Sodium	20.000	35.700	60.500	24.500	28.700	16.200
Thallium	0.5	1.7 B	1.3 B	ND	7.8 B	1.3 B
Vanadium	NC	0.6 B	ND _	6.4 B	ND	14.5 B
Zinc	2.000	28.9 B	22.2 B	25.9 B	15.2 B	53.8
	_,	2010 2				

ND - Not detected

B - Estimated value

D - Dilution

J - Estimated value

**BOLD/ITALICS** - exceeds criterion

# TABLE 5 SUMMARY OF HISTORIC TETRACHLOROETHENE CONCENTRATIONS IN SELECTED MONITORING WELLS SERVALL LAUNDRY SITE (SITE 1-52-077)

	MW-3A	MW-4	MW-5	MW-6A	MW-6B	MW-11	MW-12	MW-13	MW-14	MW-16	MW-23S	MW-23D
June 2006	ND	ND	ND	ND	1,100 D	56	17	5	ND	25	5,200 D	4 J
May 2004	NA	NA	NA	NA	NA	NA	7	0.3 J	ND	410 E	4	0.6 J
July 2000	ND	NA	ND	ND	160	96	820 D	6 J	ND	1,600 D	27	8 J
Jan 1999	NA	ND	3 J	1 J	22 J	290 J	6 J	4 J	ND	NA	29 J	3 J
Jan 1998	ND	4	ND	2	11,000	20	2	ND	ND	450		ND
Dec 1995	0.34 J	ND	NA	ND	8,400 E	800	NA	230	NA	1,700 E	7.8	ND
Mar 1990	ND	ND	ND	100	13,000 DJ	5,900	ND	4,600 JD	ND	960 JD	NA	NA
Feb 1990	ND	ND	ND	48	14,000	8,900	ND	5,800 D	ND	260	NA	NA

Notes

ND - Not detected

NA - Not sampled or data not available

E - Concentration exceeded the QC criterion, no dilution run data found

D - Dilution

J - Estimated concentration

The data presented in this table is a compilation of data available at the time of this report and is not a comprehensive listing of all data collected. May 2004 - Data is very confusing. It is difficult to establish which well is presented on the Form 1s.

(taken from report.hw152077.2004-05.GW04.pdf)

July 2000 data from H2M Labs, (ServAll data Summary July 2000.pdf)

January 1999 & January 1998 (Harding Lawson, 1999 groundwater Sampling Technical Memorandum (ServAll 1999 gw sampling.pdf)

December 1995 data from Plume Discharge Study (ServAll December 1995.pdf)

February and March 1990 data from E.C. Jordan, RI/FS 1992 (ServAll jan 1992.pdf)





#### 300 BROADACRES DRIVE BLOOMFIELD, NJ 07003

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PROJECT:				REVISIONS	m	
Multi Site G	N	). DA	ATE	DESCRIPTION	Ĺ,	
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CLIENT: New York Department of Environmental Conservation					-i m	
Albany, New York		_			C	
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#### 300 BROADACRES DRIVE BLOOMFIELD, NJ 07003

ENVIRONMENTAL	/	CONSULTING	ENGINEERS
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<i>Multi Site G</i> Servall Laundry West Islip, New York	NO.	DATE	DESCRIPTION	RTH	
CLIENT: New York Department of Environmental Conservation					
Albany, New York				0 1	



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#### 300 BROADACRES DRIVE BLOOMFIELD, NJ 07003

RAWING NO. Figure 4	ROJECT NO. 95900.04	ATE: 10/19/2006	SCALE: As Shown	HECKED BY: PK	RAWN BY: KDS	Summary of VOCs and TAL Metals in Groundwater June 15, 2006		COMMON SPRANED Y JUNI TICLI CE MISTANDON COMMON SPRANED Y JUNI TICLI CE MISTANDON COMPANY AND A COMPANY TO SE MISTANDA SE A SULLET OF OWER OF CHERES ON ETTENSIONS OF THE ENDET OF OWER OF CHERES ON ETTENSIONS OF THE ENDET DECIMAN WHERES ON ETTENSIONS OF THE CHERES ON ANY OTHER PROLECT. ANY RELISE THOUT RECEMBLY METHER OF THE SPECIFIC UNISONATI SE JACHT TECH FOR THE SPECIFIC OURSDAY IS FONDING TO SERVICE OF OTHERCISE AND NOTIFE TELL VERHELD BY FOUR AND NOTIFE TELL VERHELD BY FOUR PROCEEDING WITH WORK.				CLII
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Servall Laundry				-	
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CLIENT:				-	
New York Department of Environmental Conservation				m	
Albany, New York				0	
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# APPENDIX A

# WELL SAMPLING FORMS



_				PROJECT					PROJECT No.	SHEET	SHEETS		
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1 оғ	1		
	1				<u> </u>	DATE WELL S	STARTED	DATE WELL COMPLETED					
ServAl	I Laund	ry Site, B	ay Sho	re, NY #1	-52-077	6/6/06	DEATAD	6/6/06					
NOW V	ork Sta	to Depart	mont of	Environn	nontal (	Oncon	vation	NAME OF INSPECTOR					
	COMPANY	te Depart				JUNSEN	Valion	SIGNATURE	DF INSPECTOR				
ONE WELL	VOLUME :	9.96			WELL TD:	81.93			PUMP I	NTAKE DEPTH:			
	Depth			FIE	D MEAS	SUREME	NTS						
	to	Purge											
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity		REMARKS			
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)			(ntu)					
	20.68		17.24	259	47.8	7.6	88.3	463					
14:00			15.37	721	3.3	6.29	131	127	Purge Volum	ne 29.88 gal.			
									Well box des	stroyed			
									<b> </b>				
								ļ	<b> </b>				
									<b> </b>				
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	<b>-</b>	14/-1		<i>.</i>	·a. · ·				( . <b>I</b> .				
Pump	i ype:	vvaterra	HydroLi	itt pump v	/ith blac	ск роју	tubing	and a fool	t valve				
A					A.L	-   -							
Analyti	cal Par	ameters:		vous, L	uL meta	ais							



				PROJECT					PROJECT No.	SHEET	SHEETS	
WELL	SAMP	LING FOR	RM	MULTI S	ITE-G				87616 / 04	<u>1</u> оғ	1	
LOCATION ServAl	l Laund	ry Site, B	ay Shoi	e, NY #1	-52-077	DATE WELL S 6/16/06	TARTED	DATE WELL COMPLETED 6/16/06				
CLIENT		· -	-					NAME OF INS	PECTOR			
New Y	ork Stat	te Depart	ment of	Environn	nental C	Conserv	vation	Kevin Se	ise, Jason Kl	ein		
	COMPANY							SIGNATURE OF INSPECTOR				
ONE WELL	VOLUME :	10.32			WELL TD:	83.61		PUMP INTAKE DEPTH:				
	Depth to	Purge		FIE	LD MEAS	SUREME	NTS					
Time	Water	Rate	Temp.	Conduct.	DO	pН	ORP	Turbidity		REMARKS		
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)			(ntu)				
	20.34		16.67	0.136	10.07	6.74	165.5	86.7				
11:20			15.76	0.344	7.98	5.46	215.2	3.42	Purge Volum	ne 30.96 gal.		
									Well box des	stroyed		
									1			
Pump	Tyne	Centrifug	al num	h with hla	ck poly	tuhina						
i unp	i ype.	Sentinug			on poly	ability						
Analvti	cal Par	ameters:		VOCs, T	AL meta	als						
				,								



	_			PROJECT					PROJECT No.	SHEET	SHEETS	
WELL	SAMP	LING FO	RM	MULTI S	ITE-G			DATENELL	87616 / 04		ғ 1	
Serval	ı Ilaund	rv Sito R	av Sho	r⊖ NV #1	-52-077	6/15/06	IARIED	6/15/06				
CLIENT		ry Oile, D		0, NI #1	52-011			NAME OF INSPECTOR				
New Y	ork Sta	te Depart	ment of	Environn	nental C	Conserv	ation	Kevin Se	ise, Jason Kle	ein		
DRILLING	COMPANY							SIGNATURE C	OF INSPECTOR			
ONE WELL	VOLUME :	10.32			WELL TD:	84.25			PUMP II	NTAKE DEPTH:		
	Depth to	Purge		FIE	LD MEAS	SUREME	NTS					
Time	Water (ft)	Rate (ml/min)	Temp. (C)	Conduct. (ms/cm)	DO (ma/L)	рН	ORP	Turbidity (ntu)		REMARKS		
	20.98	(,	16.75	0.16	9.81	6.6	167.5	60.8				
14:00			16.76	0.192	9.87	6.04	190.8	1.86	Purge Volum	ne 30.96 gal.		
									<u>l</u>			
Pump	Type:	Centrifug	al pum	o with bla	ck poly	tubing						
					. ,	5						
Analyti	cal Par	ameters:		VOCs, T	AL meta	als						



				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FO	RM	MULTI S	ITE-G				87616 / 04	1 оғ	1
		0			F0 0	7		DATE WELL S	TARTED	DATE WELL COMPLETED	
ServAl	I Laund	ry Site, B	ay Sho	re, NY #1	-52-077	/		6/15/06	PEOTOD	6/15/06	
NOW V	ork Star	to Depart	mont of	Environn	nontal (	Oncon	ation	KOVID SO	ien laenn Kl	ain	
	COMPANY	le Depair				SIGNATURE	F INSPECTOR				
ONE WELL	VOLUME :	8.76			WELL TD:	62.40			PUMP II	NTAKE DEPTH:	
	Depth			FIE	D MEAS	SUREME	NTS				
	to	Purge									
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity	1	REMARKS	
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)			(ntu)			
	20.93		15,98	0.461	7.14	6.22	187.2	6.9			
13:25			15.99	0.465	6.72	6.21	188.3	2.13	Purge Volum	ne 20.30 gal.	
<b> </b>											
Duran	T. (n - ·	Contritu		o with hi-	ماديممان	tub in c					
Pump	i ype:	Centrifug	ai pum	o with dia	ск роју	lubing					
Anche		omotora									
Analyti	cal Par	ameters:		vuus, L	AL meta	a15					



WELL SAMPLING FORM         IMULTI SITE-6         Image: Ima					PROJECT					PROJECT No.	SHEET	S	HEETS
DATE WELL STATED DATE WELL STATE DATE WELL STATED DATE WELL STATED DATE WELL STATED DATE WELL STATED DATE WELL STATE	WELL	SAMP	LING FO	RM	MULTI S	ITE-G			B 4 7 7 1 1	87616 / 04	1	OF	1
Deptity         Purge type:         State Department of Environmental Conservation         Name of Reservation         Name of Reservation           New York State Department of Environmental Conservation         Kevin Seise, Jason Klein         Source of the seise, Jason Klein           One Well Volume:         1.74         well to:         31.60         Purge type:           Time         Deptity         Purge type:         FELD MEASUREMENTS         REMARKS           (1)         15.4         0.164         6.64         6.07         184.8         78.8           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           I         I         I         I         I         I         I         I           I         I         I         I         I         I         I         I           20.89         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           I         I         I         I         I         I         I         I           I         I         I         I         I         I         I         I           I         I	LOCATION ServAl	i  Laund	rv Site B	av Sho	re. NY #1	-52-077	,		DATE WELL S 6/15/06	TARTED	DATE WELL COMPLETED		
New York State Department of Environmental Conservation         Kevin Seise, Jason Klein           DRILLING COMPAN         SIGNATURE of NEPECTOR           ONE WELL VOLUME:         1.74         WELL TO:         31.60         Pumpetity         REMARKS           ONE WELL VOLUME:         1.74         WELL TO:         31.60         Pumpetity         REMARKS           20.80         15.74         0.16         6.64         6.07         184.8         78.8           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           14         15         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14         14           13:45         15         15         16         16         14         14         14         14         14           14         14         14 <td< td=""><td>CLIENT</td><td></td><td>iy Olic, D</td><td></td><td><math>\mathbf{S}, \mathbf{M} \in \mathbf{\pi}</math></td><td>52 011</td><td></td><td colspan="5">NAME OF INSPECTOR</td></td<>	CLIENT		iy Olic, D		$\mathbf{S}, \mathbf{M} \in \mathbf{\pi}$	52 011		NAME OF INSPECTOR					
Definition of the purport of	New Y	ork Sta	te Depart	ment of	Environn	nental (	Conserv	vation	Kevin Se	ise, Jason Kl	ein		
ONE WELL VOLUME:         1.74         WELL 'S 1.60         PUMP INTARE DEPTH:           Time         Purge Water         FIELD MEASUREMENTS         REMARKS           20.89         15.4         0.164         6.64         6.07         184.8         78.8           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           14         15         15.74         0.16         6.46         183.1         8.52         Purge Volume 5.24 gal.           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         <	DRILLING	COMPANY							SIGNATURE C	OF INSPECTOR			
ONE WELL VOLUME:         1.74         WELL D::         31.60         PUMP INTARE DEPTH:           Time         Purp (Rate (III))         Purp (III)         Purp (IIII)         Purp (IIIII)         Purp (IIIIIIIIIIII)         Purp (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII									<u> </u>				
Depth to water (h) water (h) (m/min)         Purge (h) (m/min)         FIELD MEASUREMENTS         REMARKS           13:45         15.4         0.164         6.64         6.07         184.8         78.8           13:45         15.74         0.164         6.646         6.03         183.1         8.52         Purge Volume 5.24 gal.           11	ONE WELL	VOLUME :	1.74			WELL TD:	31.60			PUMP I	NTAKE DEPTH:		
Time         Water (tt)         Temp. (ml/min)         Conduct. (ms/min)         DO (mg/L)         PH         ORP         Turbidity (ntu)         REMARKS           20.89         15.4         0.164         6.64         6.03         183.1         8.52         Purge Volume 5.24 gal.           13:45         1         1         1         1         1         1         1         1         1           13:45         1 <t< td=""><td></td><td>Depth</td><td>Dung</td><td></td><td>FIE</td><td>LD MEAS</td><td>SUREME</td><td>NTS</td><td></td><td></td><td></td><td></td><td></td></t<>		Depth	Dung		FIE	LD MEAS	SUREME	NTS					
Introduct         Introduct         Introduct         Introduct         Introduct           20.89         15.4         0.164         6.64         6.07         184.8         78.8           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           14         14         15         15         16         16         184.8         78.8           13:45         15.74         0.16         6.46         6.03         183.1         8.52         Purge Volume 5.24 gal.           14         14         14         14         14         14         14         14           15         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14           14         14         14         14         14         14         14         14 <td>Time</td> <td>to Water</td> <td>Purge</td> <td>Temp</td> <td>Conduct</td> <td>DO</td> <td>рH</td> <td>ORP</td> <td>Turbidity</td> <td></td> <td>REMARKS</td> <td></td> <td></td>	Time	to Water	Purge	Temp	Conduct	DO	рH	ORP	Turbidity		REMARKS		
20.89       15.4       0.164       6.64       6.07       184.8       78.8       Purge Volume 5.24 gal.         13:45       15.74       0.16       6.46       6.03       183.1       8.52       Purge Volume 5.24 gal.         14       1       1       1       1       1       1       1       1         15       1       1       1       1       1       1       1       1         14       1       1       1       1       1       1       1       1       1         15       1       1       1       1       1       1       1       1       1       1         16       1 <td></td> <td>(ft)</td> <td>(ml/min)</td> <td>(C)</td> <td>(ms/cm)</td> <td>(mg/L)</td> <td>pri</td> <td><b>O</b>IM</td> <td>(ntu)</td> <td></td> <td></td> <td></td> <td></td>		(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)	pri	<b>O</b> IM	(ntu)				
13:45       15.74       0.16       6.46       6.03       183.1       8.52       Purge Volume 5.24 gal.         11:45       1       1       1       1       1       1       1       1         11:45       1       1       1       1       1       1       1       1         11:45       1       1       1       1       1       1       1       1         11:45       1       1       1       1       1       1       1       1         11:45       1       1       1       1       1       1       1       1       1         11:45       1		20.89		15.4	0.164	6.64	6.07	184.8	78.8				
Image: Constrict of the second sec	13:45			15.74	0.16	6.46	6.03	183.1	8.52	Purge Volun	ne 5.24 gal.		
Image:													
Image:													
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Image: Contribused pump with black poly tubing       Image: Contribused pump with black poly tubing													
Image:													
Image: Sector of the sector													
Image: Sector of the sector													
Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system         Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Second system       Image: Sec													
Image: Sector of the sector													
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Image: Sector of the sector													
Image: Sector of the sector									L				
Image: Sector of the sector													
Image: Sector of the sector													
Pump Type:     Centrifugal pump with black poly tubing													
Pump Type:     Centrifugal pump with black poly tubing													
Pump Type:     Centrifugal pump with black poly tubing													
Pump Type: Centrifugal pump with black poly tubing													
Pump Type: Centrifugal pump with black poly tubing													
Pump Type: Centrifugal pump with black poly tubing													
	Dume .	Tunci	Contrifue		o with his	ok nobi	tubing						
	Pump	i ype:	Centritug	ai pum	p with dia	ск рогу	gniaui						
Analytical Parameters: VOCs. TAL metals	Analvti	cal Par	ameters:		VOCs T	AL met	als						
							~~~						



				PROJECT					PROJECT No.	SHEET		SHEETS
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1	OF	1
	 		04 Sha	ro NIV #4	E2 077	,		DATE WELL S	TARTED	DATE WELL COMPLETED	)	
	Laund	iry Site, B	ay Sho	ie, in i #1	-52-077				PECTOR	0/0/00		
New Y	ork Sta	te Depart	ment of	Environn	nental (	Conser	vation	Kevin Se	ise, Jason Kl	ein		
DRILLING	COMPANY							SIGNATURE C	OF INSPECTOR	-		
		13 005				80 04			D.11/2			
ONE WELL		13.095			WELL ID:	09.04			PUMPI	NTAKE DEPTH:		
	Depth			FIE	D MEAS	SUREME	NTS					
	to	Purge										
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity		REMARKS		
	(π)	(mi/min)	(C)	(ms/cm)	(mg/L)	6.04	224.6	(ntu)				
12.00	0.0		14.20	0.13	0.04	0.24	224.0	Z.17	Durge Volum	20.20 gol		
13.00			13.75	0.139	0.41	0.1	212.0	1.00	Purge volum	ie 39.26 gai.		
┟────┤												
							<u> </u>					
							<u> </u>					
							ļ					
	-	0	- 1		а .							
Pump	i ype:	Centrifug	al pum	p with bla	ск роју	tubing						
A					A.I							
Analyti	cal Par	ameters:		vuus, L	ur meta	ais						



_				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FO	RM	MULTI S	ITE-G				87616 / 04	1 оғ	· 1
LOCATION	1							DATE WELL S	TARTED	DATE WELL COMPLETED	
ServAl	I Laund	ry Site, B	ay Sho	re, NY #1	-52-077	7		6/15/06		6/15/06	
	arls Cta	to Donort			a a mtal (		tion	NAME OF INS	PECTOR	ala	
	OFK STA	te Depart	ment of	Environr	nental	Jonsen	/ation	NEVIN SE	ISE, JASON KI	ein	
ONE WELL	VOLUME :	12.28			WELL TD:	89.40			PUMP I	NTAKE DEPTH:	
	Donth			EIE			NTO				
	to	Purge		FIE		SOREIVIE					
Time	Water	Rate	Temp.	Conduct.	DO	Ha	ORP	Turbidity	-	REMARKS	
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)	1		(ntu)			
	14.15	. ,	14.9	0.295	9.39	5.68	183.3	3.87			
9:15			14.33	0.29	9.54	5.61	191.4	1.62	Purge Volum	ne 36.84 gal.	
									Duplicate	0	
									MS		
									MSD		
									mee		-
			-						-		
Pump	Type:	Centrifuc	al pum	p with bla	ck poly	tubing					
			• •		. ,	5					
Analyti	cal Par	ameters:		VOCs, T	AL meta	als					
				-							



				PROJECT					PROJECT No.	SHEET	SHEET		
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1 0	of 1		
LOCATION ServAl	l Laund	ry Site, B	ay Shoi	re, NY #1	-52-077	7		DATE WELL S 6/15/06	TARTED	date well completed 6/15/06			
	ork Sta	to Donort	montef	Environa	aontal C		votion	NAME OF INS	PECTOR				
DRILLING	OFK STA	ie Depart	ment of		nental C	Jonser	vation	SIGNATURE C	DF INSPECTOR				
ONE WELI	VOLUME :	12.88			WELL TD:	97.43		1	PUMP II	NTAKE DEPTH:			
	Depth to	Purge		FIE	LD MEAS	SUREME	INTS						
Time	Water (ft)	Rate (ml/min)	Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	рН	ORP	Turbidity (ntu)	-	REMARKS			
	18.51	(	13.83	0.019	11.07	7.04	165.1	56.1					
9:50			14.82	0.307	8.23	5.66	206.1	13.8	Purge Volum	ne 39.28 gal.			
								1	Į				
Pump	Туре:	Centrifug	al pum	o with bla	ck poly	tubing							
Analyti	cal Par	ameters:		VOCs, T	AL meta	als							



_				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FOR	RM	MULTI S	ITE-G				87616 / 04	1 оғ	: 1
		0			F0 0	,		DATE WELL S	TARTED	DATE WELL COMPLETED	
Serval	Laund	ry Site, B	ay Shoi	e, NY #1	-52-077			6/15/06	PECTOR	6/15/06	
New Y	ork Sta	te Depart	ment of	Environn	nental (	Conser	vation	Kevin Se	ise. Jason Kl	ein	
DRILLING	COMPANY							SIGNATURE	DF INSPECTOR		
<u> </u>											
		12 20				03 43			D.11/2		
ONE WELL		12.00			WELL ID:	93.42			PUMPI	NTAKE DEPTH:	
	Depth			FIEI	D MEAS	SUREME	NTS				
	to	Purge									
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity		REMARKS	
	(ft)	(mi/min)	(C)	(ms/cm)	(mg/L)	E 00	105 1	(ntu)			
11.00	15.01		13.47	0.200	9.60	5.93	195.4	30.0	Durge Volum	0.00.00	
11:00			13.78	0.27	8.44	5.74	210.1	21.1	Purge volum	10 38.38	
<b> </b>											
							<u> </u>				
	<b>-</b> .	0									
Pump	I ype:	Centrifug	al pum	o with bla	ck poly	tubing					
Anchet		omotore			م مم ا ۸						
Analyti	cai Par	ameters:		vuus, h	AL meta	a15					



_				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1 оғ	1
		0				,		DATE WELL S	TARTED	DATE WELL COMPLETED	
Serval	Laund	ry Site, B	ay Shoi	e, NY #1	-52-077			6/15/06	PECTOR	6/15/06	
New Y	ork Stat	te Depart	ment of	Environn	nental (	Conserv	vation	Kevin Se	ise. Jason Kl	ein	
DRILLING	COMPANY							SIGNATURE	DF INSPECTOR		
		12 62				04.01					
ONE WELL	VOLUME :	13.02			WELL ID:	94.01			PUMPI	NIAKE DEPTH:	
	Depth			FIE	D MEAS	<b>SUREME</b>	NTS				
	to	Purge				1					
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity		REMARKS	
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)	0.40	4075	(ntu)			
11.00	10.52		14.90	0.195	10.65	6.13	107.5	07.8		0.00	
11:00			14.50	0.202	9.75	6.03	188.1	1.62	Purge volum	10 40.80	
<b> </b>											
		-									
									<u> </u>		
	_										
Pump	Type:	Centrifug	al pum	o with bla	ck poly	tubing					
		•			A 1	. 1 .					
Analyti	cal Par	ameters:		VUCs, T	AL meta	ais					



# WELL NO. SMW-23S

				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1 оғ	1
LOCATION ServAl	l Laund	ry Site, B	ay Shoi	re, NY #1	-52-077	7		DATE WELL S 6/8/06	TARTED	DATE WELL COMPLETED 6/8/06	
	ork Sta	to Donort	mont of	Environa	nontal (	<u>`oncor</u>	vation	NAME OF INS	PECTOR		
	COMPANY	le Depart	ment of	Environin	lentar	JUNSER	valion	SIGNATURE	FINSPECTOR	em	
ONE WELL	. VOLUME :	10.43			WELL TD:	69.19			PUMP I	NTAKE DEPTH:	
	Depth	_		FIE	D MEAS	SUREME	INTS				
Time	to Water	Purge Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity		REMARKS	
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)	6.06	228.0	(ntu)			
15.15	5.25		10.00	0.052	6.78	6.03	220.9	1.9	Purge Volum	00 31 30	
15.45			15.95	0.078	0.70	0.03	224.3	1.02	Fulge voluli	ne 31.30	
ļ!							l		<u>ļ</u>		
Pump	Type:	Centrifug	al pum	o with bla	ck poly	tubing					
						2					
Analyti	cal Par	ameters:		VOCs, T	AL meta	als					



# WELL NO. SMW-23D

				PROJECT					PROJECT No.	SHEET	SHEETS
WELL	SAMP	LING FOI	RM	MULTI S	ITE-G				87616 / 04	1 оғ	1
	1	0.4 5			F0 0	,		DATE WELL S	TARTED	DATE WELL COMPLETED	
ServAl	I Laund	ry Site, B	ay Sho	re, NY #1	-52-077	·		6/8/06	PECTOR	6/8/06	
Now Y	ork Sta	te Denart	ment of	Environn	nental (	Conser	vation	Kovin So	ise lason Kl	ein	
DRILLING	COMPANY	te Depart				001301	valion	SIGNATURE	DF INSPECTOR	CIII	
ONE WELL	VOLUME :	13.42			WELL TD:	87.43			PUMP I	NTAKE DEPTH:	
	Depth			FIE	D MEAS	SUREME	INTS				
	to	Purge									
Time	Water	Rate	Temp.	Conduct.	DO	рН	ORP	Turbidity	1	REMARKS	
	(ft)	(ml/min)	(C)	(ms/cm)	(mg/L)			(ntu)			
	5.15		15.97	0.164	3.44	5.93	234.1	1.8			
16:00			12.77	0.143	4.38	6.04	220.8	6.4	Purge Volum	ne 40.28	
Pump	Туре:	Centrifug	al pum	o with bla	ck poly	tubing					
Analyti	cal Par	ameters:		VOCs, T	AL meta	als					

# **APPENDIX B**

# LABORATORY DATA SUMMARY PACKAGES (FORM 1S)

# APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-2		MW-3A		MW-3E	3	MW-4		MW-5	
Sample ID	Class GA			SMW-3	A			SMW-4	Ļ	SMW-5	5
Laboratory ID	Groundwater	Destrov	/ed	E0773-	18	Destro	ved	E0832-	10	E0832-	05
Sample Date	Criteria	6/06/06	;	6/6/06		6/6/06	,	6/16/06	5	6/15/06	5
Matrix		water		water		water		water		water	
Units	ua/L	ua/L		ua/L		ua/L		ua/L		ua/L	
	P 3' -	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Dichlorodifluoromethane				5	U			5	5 U	5	5 U
Chloromethane	NC			5	U			5	5 U	5	5 U
Vinvl Chloride	2			5	U			5	5 Ū	5	5 U
Bromomethane	5			5	Ū			5	5 Ū	5	5 Ū
Chloroethane	50			5	Ū			5	5 U	5	5 U
Trichlorofluoromethane	5			5	Ū			5	5 U	5	5 U
1.1-Dichloroethene	5			5	Ū			Ę	5 U	F	5 U
Acetone	50			5	Ū			Ę	5 U	F	5 U
lodomethane	NC			5	Ŭ			F	5 U	F	5 U
Carbon Disulfide	50			5	Ŭ			F	5 U	F	5 U
Methylene Chloride	5			5	Ŭ			F	5 U	F	50
trans-1 2-Dichloroethene	5			5	Ŭ			F	5 U	F	5 U
Methyl tert-butyl ether	NC			5	Ŭ			F	5 U	F	5 U
1 1-Dichloroethane	5			5	Ŭ			F	5 U	F	5 U
Vinvl acetate	NC			5	Ŭ			F	5 U	F	5 U
2-Butanone	50			5	Ŭ			F	5 U	F	5 U
cis-1.2-Dichloroethene	5			5	Ŭ			5	5 U	3.0	J
2.2 -Dichloropropane	5			5	Ū			5	5 U	Ę	5 Ŭ
Bromochloromethane	50			5	Ŭ			F	5 U	F	5 U
Chloroform	7			5	Ŭ			F	5 U	F	5 U
1 1 1-Trichloroethane	5			5	Ŭ			F	5 U	F	5 U
1 1-Dichloropropene	5			5	Ŭ			F	5 U	F	5 U
Carbon Tetrachloride	5			5	Ŭ			F	5 U	F	50
1 2-Dichloroethane	0.6			5	Ŭ			F	5 U	F	5 U
Benzene	1			5	Ŭ			F	5 U	F	50
Trichloroethene	5			5	Ŭ			F	5 U	F	5 U
1 2-Dichloropropane	1			5	Ŭ			F	5 U	F	50
Dibromomethane	5			5	Ŭ			F	5 U	F	5 U
Bromodichloromethane	50			5	Ŭ			F	5 U	F	5 U
cis-1.3-Dichloropropene	04			5	Ŭ			F	5 U	F	5 U
4-Methyl-2-Pentanone	50			5	Ŭ			F	5 U	F	5 U
Toluene	5			5	Ŭ			F	5 U	F	5 U
trans-1.3-Dichloropropene	04			5	Ŭ			F	5 U	F	5 U
1 1 2-Trichloroethane	1			5	Ŭ			F	5 U	F	50
1.3-Dichloropropane	5			5	Ŭ			F	5 U	F	5 U
Tetrachloroethene	5			5	Ŭ				5 U		5 U
2-Hexanone	50			5	Ŭ				5.0		50
Dibromochloromethane	50			5	Ŭ				5.0		50
1 2-Dibromoethane	NC.			5	U U				5 11		50
Chlorobenzene	5			5	U U			5	, U		50
1 1 1 2-Tetrachloroethane	5			5	Ŭ				5 []		50
Ethylbenzene	5			5	Ŭ			5	5 U	F	5 U
	-			, v	-			· · · · ·	-	. `	-

# APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-3A	MW-3B	MW-4	MW-5
Sample ID	Class GA		SMW-3A		SMW-4	SMW-5
Laboratory ID	Groundwater	Destroyed	E0773-18	Destroyed	E0832-10	E0832-05
Sample Date	Criteria	6/06/06	6/6/06	6/6/06	6/16/06	6/15/06
Matrix		water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
m,p-Xylene	5		5 U		5 U	5 U
o-Xylene	5		5 U		5 U	5 U
Xylene (total)	5		5 U		5 U	5 U
Styrene	5		5 U		5 U	5 U
Bromoform	50		5 U		5 U	5 U
Isoproprylbenzene	5		5 U		5 U	5 U
1,1,2,2-Tetrachloroethane	5		5 U		5 U	5 U
Bromobenzene	5		5 U		5 U	5 U
1,2,3-Trichloropropane	5		5 U		5 U	5 U
n-Propylbenzene	NC		5 U		5 U	5 U
2-Chlorotoluene	5		5 U		5 U	5 U
1,3,5-Trimethylbenzene	5		5 U		5 U	5 U
4-Chlorotoluene	5		5 U		5 U	5 U
tert-Butylbenzene	5		5 U		5 U	5 U
1,2,4-Trimethylbenzene	5		5 U		5 U	5 U
sec-Butylbenzene	5		5 U		5 U	5 U
4-Isopropyltoluene	5		5 U		5 U	5 U
1,3-Dichlorobenzene	5		5 U		5 U	5 U
1,4-Dichlorobenzene	5		5 U		5 U	5 U
n-Butylbenzene	5		5 U		5 U	5 U
1,2-Dichlorobenzene	4.7		5 U		5 U	5 U
1,2-Dibromo-3-chloropropane	0.04		5 U		5 U	5 U
1,2,4-Trichlorobenzene	5		5 U		5 U	5 U
Hexachlorobutadiene	0.5		5 U		5 U	5 U
Naphthalene	10		5 U		5 U	5 U
1,2,3-Trichlorobenzene	5		5 U		5 U	5 U
Number of TICs			0		0	0
Total TICs			0		0	0

# APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6B	MW-9	MW-11	MW-12
Sample ID	Class GA	SMW-6A	SMW-6B		SMW-11	SMW-12
Laboratory ID	Groundwater	E0832-06	E0832-07	Destroved	E0773-19	E0832-01
Sample Date	Criteria	6/15/06	6/15/06	6/09/06	6/8/06	6/15/06
Matrix	•	water	water	water	water	water
Units	ua/l	ua/l	ua/l	ua/l	ua/l	ug/l
	µ9/−	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Dichlorodifluoromethane		5 U	5 U		5 U	5 U
Chloromethane	NC	5 U	5 U		5 U	5 U
Vinvl Chloride	2	5 U	5 U		5 U	5 U
Bromomethane	5	5 U	5 U		5 U	5 U
Chloroethane	50	5 U	5 U		5 U	5 U
Trichlorofluoromethane	5	5 U	5 U		5 U	5 U
1.1-Dichloroethene	5	5 U	5 U		5 U	5 U
Acetone	50	5 U	5 U		5 U	5 U
lodomethane	NC	5 U	5 U		5 U	5 U
Carbon Disulfide	50	5 U	5 U		5 U	5 U
Methylene Chloride	5	5 U	5 U		5 U	5 U
trans-1.2-Dichloroethene	5	5 U	5 U		5 U	5 U
Methyl tert-butyl ether	NC	5 U	5 U		5 U	5 U
1.1-Dichloroethane	5	5 U	5 U		5 U	5 U
Vinvl acetate	NC	5 U	5 U		5 U	5 U
2-Butanone	50	5 U	5 U		5 U	5 U
cis-1,2-Dichloroethene	5	5 U	210 D		3 J	5 U
2,2 -Dichloropropane	5	5 U	5 U		5 U	5 U
Bromochloromethane	50	5 U	5 U		5 U	5 U
Chloroform	7	5 U	5 U		5 U	5 U
1.1.1-Trichloroethane	5	5 U	5 U		5 U	5 U
1,1-Dichloropropene	5	5 U	5 U		5 U	5 U
Carbon Tetrachloride	5	5 U	5 U		5 U	5 U
1,2-Dichloroethane	0.6	5 U	5 U		5 U	5 U
Benzene	1	5 U	5 U		5 U	5 U
Trichloroethene	5	5 U	85		4 J	5 U
1,2-Dichloropropane	1	5 U	5 U		5 U	5 U
Dibromomethane	5	5 U	5 U		5 U	5 U
Bromodichloromethane	50	5 U	5 U		5 U	5 U
cis-1,3-Dichloropropene	0.4	5 U	5 U		5 U	5 U
4-Methyl-2-Pentanone	50	5 U	5 U		5 U	5 U
Toluene	5	5 U	5 U		5 U	5 U
trans-1,3-Dichloropropene	0.4	5 U	5 U		5 U	5 U
1,1,2-Trichloroethane	1	5 U	5 U		5 U	5 U
1,3-Dichloropropane	5	5 U	5 U		5 U	5 U
Tetrachloroethene	5	5 U	1,100 D		56	17
2-Hexanone	50	5 U	5 U		5 U	5 U
Dibromochloromethane	50	5 U	5 U		5 U	5 U
1,2-Dibromoethane	NC	5 U	5 U		5 U	5 U
Chlorobenzene	5	5 U	5 U		5 U	4 J
1,1,1,2-Tetrachloroethane	5	5 U	5 U		5 U	5 U
Ethylbenzene	5	5 U	5 U		5 U	5 U
#### APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6B	MW-9	MW-11	MW-12
Sample ID	Class GA	SMW-6A	SMW-6B		SMW-11	SMW-12
Laboratory ID	Groundwater	E0832-06	E0832-07	Destroyed	E0773-19	E0832-01
Sample Date	Criteria	6/15/06	6/15/06	6/09/06	6/8/06	6/15/06
Matrix		water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
m,p-Xylene	5	5 U	5 U		5 U	5 U
o-Xylene	5	5 U	5 U		5 U	5 U
Xylene (total)	5	5 U	5 U		5 U	5 U
Styrene	5	5 U	5 U		5 U	5 U
Bromoform	50	5 U	5 U		5 U	5 U
Isoproprylbenzene	5	5 U	5 U		5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U		5 U	5 U
Bromobenzene	5	5 U	5 U		5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U		5 U	5 U
n-Propylbenzene	NC	5 U	5 U		5 U	5 U
2-Chlorotoluene	5	5 U	5 U		5 U	5 U
1,3,5-Trimethylbenzene	5	5 U	5 U		5 U	5 U
4-Chlorotoluene	5	5 U	5 U		5 U	5 U
tert-Butylbenzene	5	5 U	5 U		5 U	5 U
1,2,4-Trimethylbenzene	5	5 U	5 U		5 U	5 U
sec-Butylbenzene	5	5 U	5 U		5 U	5 U
4-Isopropyltoluene	5	5 U	5 U		5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U		5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U		5 U	5 U
n-Butylbenzene	5	5 U	5 U		5 U	5 U
1,2-Dichlorobenzene	4.7	5 U	5 U		5 U	9
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U		5 U	5 U
1,2,4-Trichlorobenzene	5	5 U	5 U		5 U	5 U
Hexachlorobutadiene	0.5	5 U	5 U		5 U	5 U
Naphthalene	10	5 U	5 U		5 U	5 U
1,2,3-Trichlorobenzene	5	5 U	5 U		5 U	5 U
Number of TICs		0	0		1	0
Total TICs		0	0		6 J	0

#### APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-13	MW-14	MW-16	MW-23S	MW-23D
Sample ID	Class GA	SMW-13	SMW-14	SMW-16	SMW-23S	SMW-23D
Laboratory ID	Groundwater	E0832-02	E0832-03	E0832-04	E0773-20	E0773-21
Sample Date	Criteria	6/15/06	6/15/06	6/15/06	6/8/06	6/8/06
Matrix	Ontonia	water	water	water	water	water
Linits	ua/l	ua/l			ua/l	ua/l
onito	µ9/⊏	conc Q	conc Q	conc Q	conc Q	conc Q
Dichlorodifluoromethane		5 []	5 II	5 11	511	5 []
Chloromethane	NC	5 1	511	5 1	5.0	5 11
	2	5 11	511	5 11	5.0	511
Bromomethane	5	5 11	511	5.11	5.0	511
Chloroethane	50	5 11	511	5.11	5.0	511
Trichlorofluoromethane	5	5 11	511	5.11	5.0	511
1 1-Dichloroethene	5	50	50	4 1	5.0	50
Acetone	50	4 1	50	5 11	5.0	50
Iodomethane	NC	4 J 5 H	50	50	50	50
Carbon Disulfide	50	50	50	50	50	50
Mathylana Chlarida	50	50	50	50	50	50
trans-1 2-Dichloroothono	5	50	50	50	50	50
Mothyl tort-butyl other		50	50	21	50	50
1 1 Dichloroothano	5	50	50	2 J 5 U	50	50
		50	50	50	50	50
2 Putanana	FO	50	50	50	50	50
2-Dulanone	50	50	50	5 U 15	360 D	50
2.2 Dichloropropago	5	50	50	511	500 D	50
2,2 -Dichloropropane	5	50	50	50	50	50
Chloroform	50	50	50	50	50	50
1 1 1 Trichleroothano	7	50	50	50	50	50
	5	50	50	5	50	50
Carbon Totrachlarida	5	50	50	50	50	50
	0.6	50	50	50	50	50
Ponzono	0.0	50	50	50	50	50
Delizerie Trichlaraathana	5	30	50	16	3 U 220 D	50
	5	5 J 5 U	50	5 11	220 D	50
T,2-Dichloropropane	 	5 U	50	50	50	5 U 5 U
Dibiomomethane	5	50	50	50	50	50
	50	5 U	50	50	50	5 U 5 U
A Methyl 2 Dentenene	0.4	50	50	50	50	5 U
4-Methyl-2-Pentanone	50	50	50	50	50	5 U
	D O 1	50	50	50	50	5 U
	0.4	50	50	50	50	5 U 7 II
		50	50	50	50	5 U
Totrachlore athere	ວ ເ	5 U -	50	50	5 U	50
	5	5	50	25	5,200 D	4 J
∠-⊓exanone	50	50	50	50	50	50
	50	50	50	50	50	5 U
1,∠-Dibromoetnane		5 U	50	5 U	5 U	50
	5	5 U	50	50	50	50
1,1,1,2-1 etrachloroethane	5	5 U	50	5 U	5 U	5 U
Etnylbenzene	5	5 U	50	50	50	5 U

#### APPENDIX B TABLE 1 SERVALL LAUNDRY SITE (SITE 1-52-077) VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Sample Location	NYSDEC	MW-13	MW-14	MW-16	MW-23S	MW-23D
Sample ID	Class GA	SMW-13	SMW-14	SMW-16	SMW-23S	SMW-23D
Laboratory ID	Groundwater	E0832-02	E0832-03	E0832-04	E0773-20	E0773-21
Sample Date	Criteria	6/15/06	6/15/06	6/15/06	6/8/06	6/8/06
Matrix		water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U
o-Xylene	5	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5	5 U	5 U	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U	5 U	5 U
Bromoform	50	5 U	5 U	5 U	5 U	5 U
Isoproprylbenzene	5	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U
Bromobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5	5 U	5 U	5 U	5 U	5 U
n-Propylbenzene	NC	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	5	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	5 U	5 U	5 U	5 U	5 U
tert-Butylbenzene	5	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5	5 U	5 U	5 U	5 U	5 U
sec-Butylbenzene	5	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	5	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
n-Butylbenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	4.7	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	0.5	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
Number of TICs		0	0	0	2	1
Total TICs		0	0	0	1,250 NJD	6 J

#### APPENDIX B TABLE 2 SERVALL LAUNDRY SITE (SITE 1-52-077) SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2		MW-3A		MW-3E	3	MW-4		MW-5		MW-6A	1
Sample ID	Class GA			SMW-3A	۱.			SMW-4	Ļ	SMW-5		SMW-6	БA
Laboratory ID	Groundwater	Destro	yed	E0773-1	8	Destro	yed	E0832-	10	E0832-0	)5	E0832-	06
Sample Date	Criteria	6/06/06	5	6/6/06		6/6/06		6/16/06	;	6/15/06		6/15/06	5
Matrix	water	water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
				7.40					-				
Aluminum	NC			/49				82.5	в	391.0		527	
Antimony	3			1.2	U			1.2	U	1.2	U	1.2	2 U
Arsenic	25			1.6	U			2.2	В	1.7	В	3.5	БВ
Barium	1,000			67.3	В			16.7	В	17.9	В	72.2	2 B
Beryllium	3			0.15	U			0.15	U	0.15	U	0.15	5 U
Cadmium	10			0.1	U			0.73	В	2.40	В	1.5	БB
Calcium	NC			10,800				13,600		20,700		33,800	)
Chromium	50			55.8				534.0		80.5		607	,
Cobalt	NC			2.4	В			1.60	В	1.30	В	11.3	ΒB
Copper	200			13.0	В			33.6		6.8	В	16	бB
Iron	300			1,070				1,710		934		3780	)
Lead	25			0.46	U			1.6	В	3.6	В	4.1	В
Magnesium	35,000			4,290				3,310		3,420		5,070	)
Manganese	300			143				181		209		7140	)
Mercury	2			0.065	U			0.065	U	0.065	U	0.065	5 U
Nickel	100			23.6	В			240.0		39.1	В	160	)
Potassium	NC			2170				2,710		2,490		2,390	)
Selenium	10			0.98	U			0.98	U	0.98	U	1.7	' В
Silver	50			0.91	U			0.91	U	0.91	U	0.91	U
Sodium	20,000			129,000				13,400		13,400		59,600	)
Thallium	1			1.2	U			1.2	U	1.4	В	32.3	3
Vanadium	NC			1.4	В			1.4	В	0.89	В	2.60	) В
Zinc	2,000			53.7				17.7	В	29.2	В	45.6	βВ

#### APPENDIX B TABLE 2 SERVALL LAUNDRY SITE (SITE 1-52-077) SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6E	3	MW-9		MW-11		MW-12		MW-13		MW-14	
Sample ID	Class GA	SMW-6	βB			SMW-1	1	SMW-1	2	SMW-1	3	SMW-1	4
Laboratory ID	Groundwater	E0832	-07	Destroy	/ed	E0773-	19	E0832-0	01	E0832-	02	E0832-	03
Sample Date	Criteria	6/15/06	6	6/09/06	;	6/8/06		6/15/06		6/15/06	6	6/15/06	5
Matrix	water	water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
												100	
Aluminum	NC	2000	)			144(	)	369	_	38.5	ЬΒ	139	B
Antimony	3	2.	7 B			1.2	2 U	1.8	В	6.3	BB	2.7	' B
Arsenic	25	1.6	5 U			1.7	B	8.2	В	1.7	'B	1.6	5 U
Barium	1,000	19.3	3 B			46.1	В	67.6	В	55.5	5 B	48.6	5 B
Beryllium	3	0.1	5 U			0.15	5 U	0.15	U	0.15	5 U	0.15	5 U
Cadmium	10	0.7	5 B			4.4	ŀΒ	2.8	В	3.8	3 B	1.3	3 B
Calcium	NC	19,600	)			11,100	)	17,000		18,200	)	7,550	)
Chromium	50	62.20	)			50.1		1130		12.2	2 B	49.9	)
Cobalt	NC	2.2	2 B			2.70	) B	24.30	В	1.3	3 B	1.3	ΒB
Copper	200	17.	5 B			18.5	5 B	67.9		8.3	3 B	6.3	3 U
Iron	300	1950	)			1,510	)	2,810		153	3 B	449	)
Lead	25	2.8	3 B			0.46	5 U	4.9	В	2.1	В	1.7	′В
Magnesium	35,000	3,430	)			3,560	)	3,050		8,570	)	3,540	)
Manganese	300	81.6	3			30.7	′В	746		108	3	25.6	βB
Mercury	2	0.06	5 U			0.065	5 U	0.065	U	0.065	5 U	0.065	5 U
Nickel	100	46.1	ΙB			22.4	ŀВ	1290		12	2 B	24.3	ΒB
Potassium	NC	2,210	)			1,940	)	2,980		1,310	)	1550.0	)
Selenium	10	0.98	3 U			0.98	3 U	3.1	В	0.98	3 U	1.4	ŀВ
Silver	50	0.9 <sup>,</sup>	ΙU			0.91	U	0.91	U	0.91	U	0.91	U
Sodium	20,000	17800	)			23,700	)	62,500		35,700	)	60500	)
Thallium	1	1.2	2 U			1.2	2 U	5.0	В	1.7	′ B	1.3	ΒB
Vanadium	NC	1.10	) В			2.7	′ B	2.1	В	0.6	6 B	0.47	υ
Zinc	2,000	53.6	6			80.9	)	35.2	В	28.9	) B	22.2	2 B
				I				1					

#### APPENDIX B TABLE 2 SERVALL LAUNDRY SITE (SITE 1-52-077) SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-16	MW-23S	MW-23D
Sample ID	Class GA	SMW-16	SMW-23S	SMW-23D
Laboratory ID	Groundwater	E0832-04	E0773-20	E0773-21
Sample Date	Criteria	6/15/06	6/8/06	6/8/06
Matrix	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc. Q	conc. Q
Aluminum	NC	534	253.0	7130
Antimony	3	1.2 U	1.2 U	1.4 B
Arsenic	25	7.0 B	1.6 U	2.5 B
Barium	1,000	13.6 B	25.60 B	77.80 B
Beryllium	3	0.15 U	0.15 U	0.60 B
Cadmium	10	0.71 B	0.10 U	0.10 U
Calcium	NC	9,750	17800	14800
Chromium	50	1660.0	0.66 B	12.20 B
Cobalt	NC	4.00 B	2.00 B	5.00 B
Copper	200	8.6 B	8.5 B	27.2 B
Iron	300	7,270	133.0 B	3800
Lead	25	2.8 B	0.46 U	0.46 U
Magnesium	35,000	4,790	6830.0	2440.0
Manganese	300	51.8	1570	109.0
Mercury	2	0.065 U	0.065 U	0.065 U
Nickel	100	125.0	15.0 B	7.6 B
Potassium	NC	1,040	1340.0	3270
Selenium	10	2.2 B	0.98 U	0.98 U
Silver	50	0.91 U	0.91 U	0.91 U
Sodium	20,000	24,500	28700	16200
Thallium	1	1.2 U	7.8 B	1.3 B
Vanadium	NC	6.40 B	0.47 U	14.50 B
Zinc	2,000	25.9 B	15.2 B	53.8



# \* Data Summary Pack \*



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

### Project Name : Multi Site - Dzus and Servall

**SDG :** <u>E0773</u>

Crasterie			Anal	lytical Requirement	S	
Sample ID	Laborator Sample ID	y MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-23A	E0773-01			Witchou #	SW6010B W	
MW-23A	E0773-01				SW7470A	
MW-23B	E0773-02				SW6010B W	
MW-23B	E0773-02				SW/7470A	
MW-15A	E0773-03				SW6010R W	
MW-15A	E0773-03				SW/7470A	
MW-15B	E0773-04				SWIGOLOB W	
MW-15B	E0773-04				SW0010B_VV	
MW-1	E0773-05				SW6010D W	
MW-1	E0773-05				SW0010B_W	
MW-18	E0773-06				SW/4/0A	
MW-18	E0773-06				SVV60T0B_VV	
MW-3	E0773-07				SVV/4/UA	
MW-3	E0773-07				SVV6010B_VV	
MW-9B	E0773-08				SVV/4/0A	
MW-9B	E0773-08				SVV6010B_VV	
MW-9	E0773-09				SW/4/0A	
MW-9	E0773-09				SW6010B_W	
MW-2	E0773-10				SW/4/0A	
MW-2	E0773-10				SW6010B_W	
MW-22A	E0773-11				SW7470A	
MW-22A	E0773-11				SW6010B_W	
MW-22B	E0773-12				SW7470A	
MW-22B	E0773-12				SW6010B_W	
MW-13A	E0773-13				SW7470A	
MW-13A	E0773-13				SW6010B_W	
WW-13B	E0773-14				SW7470A	
/W-13B	E0773-14				SW6010B_W	
)UP	E0773 15				SW7470A	
	E0773-15				SW6010B_W	
SMW-3A	E0773-19	SIM02COD IN			SW7470A	
SM/0/-3A	E0772 19	SVV8260B_VV			SW6010B_W	
SANA/-11	E0772 40	CIMICOCOD MI			SW7470A	
:R/\/_11	EU//3-19	2008200B_W			SW6010B_W	
MIN/ 235	EU//3-19	011/02025			SW7470A	
MM/ 220	E0773-20	SVV8260B_W			SW6010B_W	
IVIVV-233	E0773-20				SW7470A	
IVIVVZ3D	E0773-21	SW8260B_W			SW6010B_W	
MWV23D	E0773-21				SW7470A	

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

### Project Name : Multi Site - Dzus and Servall

**SDG** : <u>E0773</u>

Laboratory		Date	Date Received	Date	Date
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed
SW8260B_W					1
E0773-18B	AQ	06/06/2006	06/09/2006	NA	06/14/2006
E0773-19B	AQ	06/08/2006	06/09/2006	NA	06/14/2006
E0773-20B	AQ	06/08/2006	06/09/2006	NA	06/14/2006
E0773-20BDL	AQ	06/08/2006	06/09/2006	NA	06/18/2006
E0773-21B	AQ	06/08/2006	06/09/2006	NA	06/15/2006

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

Project Name: Multi Site - Dzus and Servall

#### **SDG :** E0773

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260B_W					
E0773-18B	AQ	SW8260B_W	NA	LOW	1
E0773-19B	AQ	SW8260B_W	NA	LOW	1
E0773-20B	AQ	SW8260B_W	NA	LOW	1
E0773-20BDL	AQ	SW8260B_W	NA	LOW	40
E0773-21B	AQ	SW8260B_W	NA	LOW	1

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

### Project Name : Multi Site - Dzus and Servall

**SDG** : <u>E0773</u>

Laboratory		Metals	Date Received	Date
Sample ID	Matrix	Requested	By Lab	Analyzed
SW6010B_W				Analyzeu
E0773-01A	AQ	SW6010B W	06/09/2006	06/20/2006
E0773-02A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-03A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-04A	AQ	SW6010B W	06/09/2006	06/20/2006
E0773-05A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-06A	AQ		06/09/2006	06/20/2006
E0773-07A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-08A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-09A	AQ		06/09/2006	06/20/2006
E0773-10A	AQ		06/09/2006	06/20/2006
E0773-11A	AO	SW6010B_W	06/09/2006	06/20/2006
E0773-12A	AO	SW6010B_W	06/09/2006	06/20/2006
E0773-12ADUP	AQ		06/09/2006	06/21/2006
E0773-12AMS	AQ		06/09/2006	06/21/2006
E0773-13A	AQ		06/09/2006	06/20/2006
E0773-14A	AQ		06/09/2006	06/20/2006
E0773-15A			06/09/2006	06/20/2006
E0773-18A	<u> </u>		06/09/2006	06/20/2006
E0773-10A	AQ		06/09/2006	06/20/2006
E0773-20A	AQ		06/09/2006	06/20/2006
E0773 20ADUD	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773 20AMS	AQ	SW6010B_W	06/09/2006	06/20/2006
E0772 21A	AQ.	SW6010B_W	06/09/2006	06/19/2006
E0773-21A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-21ADOP	AQ	SW6010B_W	06/09/2006	06/20/2006
=0/73-21AIVIS	AQ	SW6010B_W	06/09/2006	06/19/2006
5VV/4/UA				
E0773-01A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-02A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-03A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-04A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-05A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-06A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-07A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-08A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-09A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-10A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-11A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-12A	AQ	SW7470A	06/09/2006	06/20/2006
20773-12ADUP	AQ	SW7470A	06/09/2006	06/20/2006
0773-12AMS	AQ	SW7470A	06/09/2006	06/20/2006
0773-13A	AQ	SW7470A	06/09/2006	06/19/2006
0773-14A	AQ	SW7470A	06/09/2006	06/19/2006
0773-15A	AQ	SW7470A	06/09/2006	06/19/2006
0773-18A	AQ	SW7470A	06/09/2006	06/19/2006
0773-19A	AQ	SW7470A	06/09/2006	06/10/2006
0773-20A	AQ	SW7470A	06/09/2006	06/10/2006
0773-21A	AQ	SW7470A	06/09/2006	06/19/2006
l	l		00/03/2000	0011912000

Report of Laboratory Analyses for Earth Tech Northeast, Inc.

Client Project: Multi-site G, Dzus and Servall

Mitkem Work Order ID: E0773

July 12, 2006

Prepared For:

Earth Tech Northeast, Inc. 300 Broadacres Drive Bloomfield, NJ 07003 Attn: Mr. Allen Burton

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 Northeast Inc.'s Multi-site G, Dzus and Servall, project. Under this deliverable, analysis results are presented for twenty-one aqueous samples that were received on June 9, 2006. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussions with the client. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

#### 1. Overall Observation:

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

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

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of vinyl chloride and chloroethane in the V6KLCS and high

recovery of chloroethane and low recovery of trichlorofluoromethane and chloroform in V6LLCS. Replicate RPDs were within the QC limits.

Sample analysis: due to the high concentration of target analytes, sample SMW-23S was reanalyzed at 40x dilution. No other unusual observation was made for the analysis.

3. Metals Analysis:

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

Matrix spike: matrix spike was performed on samples MW-22B, SMW-23S and SMW23D. Spike recoveries were within the QC limits.

Duplicate: duplicate analysis was performed on samples MW-22B, SMW-23S and SMW23D. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on samples MW-22B, SMW-23S and SMW23D. Percent differences were within the QC limits with the exception of aluminum, iron and magnesium for sample SMW23D. Aluminum, iron and magnesium are qualified with an "E" on the data report forms. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hardcopy data package.

Upus KM

Agnes Ng CLP Project Manager 07/12/06

Mitken	n Corporation	Ι	9/Jun/(	<i>)6 14:56</i>	Work	kOrder: E0773
Clien Pro Local Comme	t ID: EARTH_NJ ject: Multi Site tion: DZUS AND SERVALL ints: N/A		Case: SDG: PO:	152033/152077	Rep	port Level: ASP-B EDD: CLF HC Due: 06/30/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
E0773-01A	MW-23A	06/07/2006 09:30 06/09/2006	Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
				SW7470A	TAL	M2
E0773-02A	MW-23B	06/07/2006 09:40 06/09/2006	Aqueous	SW6010B_W	TAL	□ ■ M2
				SW7470A	TAL	M2
E0773-03A	MW-15A	06/07/2006 11:42 06/09/2006	Aqueous	SW6010B_W	TAL	<b>M</b> 2
				SW7470A	TAL	0 0 M2
E0773-04A	MW-15B	06/07/2006 11:15 06/09/2006	Aqueous	SW6010B_W	TAL	□ ■ M2
				SW7470A	TAL	M2
E0773-05A	I-WM	06/08/2006 12:00 06/09/2006	Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
				SW7470A	TAL	M
E0773-06A	MW-18	06/08/2006 11:15 06/09/2006	Aqueous	SW6010B_W	TAL	□ ■ M2
a provinsi mana na produkto y namena na provinsi na mangga polo da la mana				SW7470A	TAL	M2
E0773-07A	MW-3	06/08/2006 09:20 06/09/2006	Aqueous	SW6010B_W	TAL	□ M2
Client Rep:	Agnes R Ng				Page	1 of 4

366 366 366 3

Mitkem	Corporation		1	9/Jun/(	06 14:56	Work	Order: E0773
Client I Projee Locatio Commen	<ul> <li>D: EARTH_NJ</li> <li>ct: Multi Site</li> <li>in: DZUS AND SERVALL</li> <li>is: N/A</li> </ul>			Case: SDG: PO:	152033/152077	Rep	ort Level: ASP-B EDD: CLF HC Due: 06/30/06 Fax Due:
Sample ID	Client Sample ID	Collection Date I	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
E0773-07A	MW-3	06/08/2006 09:20 (	06/09/2006	Aqueous	SW7470A	TAL	M2
E0773-08A	MW-9B	06/08/2006 09:10 (	<b>)6/09/2006</b>	Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
					SW7470A	TAL	□ □ M2
E0773-09A	6-WM	06/08/2006 08:50 (	06/09/2006	Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
					SW7470A	TAL	M2
E0773-10A	MW-2	06/07/2006 14:35	06/09/2006	Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
					SW7470A	TAL	M2
E0773-11A	MW-22A	06/07/2006 09:50	06/09/2006	Aqueous	SW6010B_W	TAL	□
					SW7470A	TAL	□ □ □ M2
E0773-12A	MW-22B	06/07/2006 10:00	06/09/2006	Aqueous	SW6010B_W	TAL	<b>M M</b> 2
					SW7470A	TAL	M2
E0773-13A	MW-13A	06/08/2006 07:50	06/09/2006	Aqueous	SW6010B_W	TAL	□ <b>M</b> M2
					SW7470A	TAL	M2
Client Rep:	Agnes R Ng					Pag	e 2 of 4

Mitkem	1 Corporation		19/Jun/(	96 14:56	Work	cOrder: E0773
Client Proj Locat Comme	<ul> <li>ID: EARTH_NJ</li> <li>ject: Multi Site</li> <li>jon: DZUS AND SERVALL</li> <li>ints: N/A</li> </ul>		Case: SDG: PO:	152033/152077	Rep	ort Level: ASP-B EDD: CLF HC Due: 06/30/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Ree	v'd Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
E0773-14A	MW-13B	06/08/2006 08:04 06/09/20	06 Aqueous	SW6010B_W	TAL	□ <b>1</b> M2
				SW7470A	TAL	M2
E0773-15A	DUP	06/08/2006 09:50 06/09/20	06 Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
				SW7470A	TAL	M2
E0773-16A	MS	06/07/2006 10:00 06/09/20	06 Aqueous	SW6010B_W	TAL	
				SW7470A	TAL	<b>M</b>
E0773-17A	MSD	06/07/2006 10:00 06/09/20	06 Aqueous	SW6010B_W	TAL	M2
				SW7470A	TAL	<b>V</b> M2
E0773-18A	SMW-3A	06/06/2006 14:00 06/09/20	06 Aqueous	SW6010B_W	TAL	□ <b>V</b> M2
				SW7470A	TAL	□ □ M2
E0773-18B	SMW-3A	06/06/2006 14:00 06/09/20	06 Aqueous	SW8260B_W		NOA 🗌 🔲
E0773-19A	SMW-11	06/08/2006 13:00 06/09/20	06 Aqueous	SW6010B_W	TAL	M2
Client Rep.	: Agnes R Ng				Pag	je 3 of 4

Mitkem	Corporation	1	9/Jun/06 14:56	Work	Order: E0773
Client Proje Locati Conmer	ID: EARTH_NJ ect: Multi Site on: DZUS AND SERVALL ats: N/A		Case: SDG: PO: 152033/152077	Rep	ort Level: ASP-B EDD: CLF HC Due: 06/30/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Recy'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
E0773-19A	SMW-11	06/08/2006 13:00 06/09/2006	Aqueous SW7470A	TAL	M2
E0773-19B	SMW-11	06/08/2006 13:00 06/09/2006	Aqueous SW8260B_W		AOV
E0773-20A	SMW-23S	06/08/2006 15:45 06/09/2006	Aqueous SW6010B_W SW7470A	TAL TAL	M2
E0773-20B	SMW-23S	06/08/2006 15:45 06/09/2006	Aqueous SW8260B_W		NOA
E0773-21A	SMW23D	06/08/2006 16:00 06/09/2006	Aqueous SW6010B_W SW7470A	TAL TAL	□ ■ M2 M2 M2
E0773-21B	SMW23D	06/08/2006 16:00 06/09/2006	Aqueous SW8260B_W		VOA

Client Rep: Agnes R Ng

Page 4 of 4

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-11 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Matrix: (soil/water) WATER Lab Sample ID: E0773-19B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3487 Level: (low/med) LOW Date Received: 06/09/06 % Moisture: not dec. Date Analyzed: 06/14/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 5 U 75-71-8-----Dichlorodifluoromethane 5 U 5 U 74-87-3-----Chloromethane 75-01-4-----Vinyl Chloride

	111/2 011202240			0	
74-83-9	Bromomethane		5	U	
75-00-3	Chloroethane	- 10 at 1	5	U	
75-69-4	Trichlorofluoromethane		5	U	
75-35-4	1,1-Dichloroethene		5	U	
67-64-1	Acetone		5	U	
74-88-4	Iodomethane		5	U	
75-15-0	Carbon Disulfide		5	U	
75-09-2	Methylene Chloride		5	U	
156-60-5	trans-1,2-Dichloroethene		5	U	
1634-04-4	Methyl tert-butyl ether		5	U	
75-34-3	1,1-Dichloroethane		5	U	
108-05-4	Vinyl acetate		5	U	
78-93-3	2-Butanone		5	U	
156-59-2	cis-1,2-Dichloroethene		3	J	
590-20-7	2,2-Dichloropropane		5	U	
74-97-5	Bromochloromethane		5	U	
67-66-3	Chloroform		5	U	
71-55-6	1,1,1-Trichloroethane		5	U	
563-58-6	1,1-Dichloropropene		5	U	
56-23-5	Carbon Tetrachloride		5	U	
107-06-2	1,2-Dichloroethane		5	U	
71-43-2	Benzene		5	U	
79-01-6	Trichloroethene		4	J	
78-87-5	1,2-Dichloropropane		5	U	
74-95-3	Dibromomethane		5	U	
75-27-4	Bromodichloromethane		5	U	
10061-01-5	cis-1,3-Dichloropropene		5	U	
108-10-1	4-Methyl-2-pentanone		5	U	
108-88-3	Toluene		5	U	
10061-02-6	trans-1,3-Dichloropropene	1	5	U	
79-00-5	1,1,2-Trichloroethane		5	U	
			• •		

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION Cor	ntract:	SMW-11	
Lab Code: MITKEM Case No.:	SAS No.: SDG	No.: ME0773	
Matrix: (soil/water) WATER	Lab Sample ID:	E0773-19B	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID:	V6E3487	
Level: (low/med) LOW	Date Received:	06/09/06	
% Moisture: not dec.	Date Analyzed:	06/14/06	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Facto	r: 1.0	
Soil Extract Volume:(uL)	Soil Aliquot V	olume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
142-28-91, 3-Dichloropropa         127-18-4Tetrachloroethene         591-78-62-Hexanone         124-48-1Dibromochlorometh         106-93-41, 2-Dibromoethane         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachlor         100-41-4Ethylbenzene	ane	5 5 5 5 5 5 5 5 5 5 5 5 5 5	

#### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SMW-11

Lab Name: MITKEM COR	PORATION	Cor
Lab Code: MITKEM	Case No.:	S
Matrix: (soil/water)	WATER	
Sample wt/vol:	5.000 (g/mL) ML	
Level: (low/med)	LOW	
% Moisture: not dec.		
GC Column: DB-624	ID: 0.25 (mm)	
Soil Extract Volume:	(uL)	

Contract: SAS No.: SDG No.: ME0773 Lab Sample ID: E0773-19B Lab File ID: V6E3487 Date Received: 06/09/06 Date Analyzed: 06/14/06 Dilution Factor: 1.0 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	12.41	6	=====  J
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3		· ·		
4				
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9				
12.				
13.			· · · · · · · · · · · · · · · · · · ·	
14.				
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#### 1A VOTO DOMO OUT VOT ATTALE ODCANTC

EPA SAMPLE NO.

VULALLIE	ORGANICS ANALIS	IS DATA SHEET			
Lab Name: MITKEM COR	PORATION	Contract:		SMW-23S	
	<i>a</i> . <b>N</b>		I		I
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.	: ME0773	
Matrix: (soil/water)	WATER	Lab Sam	ple ID: E07	73-20B	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fil	e ID: V6E	3488	
Level: (low/med)	LOW	Date Re	ceived: 06/	′09/06	
% Moisture: not dec.		Date An	alyzed: 06/	14/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilutio	n Factor: 1	0	
Soil Extract Volume:	(uL)	Soil Al	iquot Volum	ne:	(uL)
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	UNITS: g) UG/L	Q	
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-09-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 74-88-4\\ 74-88-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 71-55-6\\ 71-55-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 108-88-3\\ 108-88-3\\ 10061-02-6\\ 79-00-5\\ \end{array}$	Dichlorodiflue Chloromethane Vinyl Chlorid Bromomethane Chloroethane Trichlorofluo 1,1-Dichloroe Acetone Iodomethane Carbon Disulf Methylene Chlo trans-1,2-Dick trans-1,2-Dick Vinyl acetate 2-Butanone Cis-1,2-Dicklorop Chloroform 1,1,1-Tricklor 1,1-Dicklorop Chloroform 1,1,1-Tricklor 1,2-Dicklorop Carbon Tetrack 1,2-Dicklorop Carbon Tetrack 1,2-Dicklorop Carbon Tetrack 1,2-Dicklorop Carbon Tetrack 1,2-Dicklorop Dibromomethane Benzene Trickloroether 	oromethane e romethane thene ide oride hloroethene utyl ether thane oroethene thane proethane thane ropene hloride thane ropane ne ne ne nethane nethane noropropene nethane nethane nethane nethane	41	5 5 5 5 5 5 5 5 5 5 5 5 5 5	

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SMW-23S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Matrix: (soil/water) WATER Lab Sample ID: E0773-20B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3488 Level: (low/med) LOW Date Received: 06/09/06 % Moisture: not dec. Date Analyzed: 06/14/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 0 142-28-9-----1, 3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 3200 E 591-78-6----2-Hexanone 5 U 124-48-1----Dibromochloromethane 5 U 106-93-4-----1, 2-Dibromoethane 5 U 5 U 5 U 5 U 5 U 5 U 108-90-7----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 100-41-4----Ethylbenzene -----m,p-Xylene 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 95-47-6----o-Xylene 1330-20-7-----Xylene (Total) 100-42-5----Styrene 75-25-2----Bromoform 98-82-8-----Isopropylbenzene 79-34-5-----1,1,2,2-Tetrachloroethane 108-86-1----Bromobenzene 96-18-4-----1,2,3-Trichloropropane 5 U 103-65-1----n-Propylbenzene 5 U 95-49-8----2-Chlorotoluene 5 U 5 108-67-8-----1,3,5-Trimethylbenzene U 106-43-4----4-Chlorotoluene 5 U 98-06-6-----tert-Butylbenzene 5 U 95-63-6-----1,2,4-Trimethylbenzene 5 U 135-98-8----sec-Butylbenzene 5 U 99-87-6-----4-Isopropyltoluene 5 U 541-73-1-----1, 3-Dichlorobenzene 5 U 106-46-7----1, 4-Dichlorobenzene 5 U 104-51-8----n-Butylbenzene 5 U 95-50-1-----1, 2-Dichlorobenzene 5 U 96-12-8-----1, 2-Dibromo-3-chloropropane 5 U 120-82-1-----1,2,4-Trichlorobenzene 5 U 87-68-3-----Hexachlorobutadiene 5 U 91-20-3-----Naphthalene 5 U 87-61-6-----1,2,3-Trichlorobenzene 5 U

#### 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SMW-23S

Lab Name: MITKEM CORE	PORATION	Contract:
Lab Code: MITKEM (	Case No.:	SAS No.:
Matrix: (soil/water)	WATER	L
Sample wt/vol:	5.000 (g/mL) ML	I
Level: (low/med)	LOW	Γ
% Moisture: not dec.		Γ
GC Column: DB-624	ID: 0.25 (mm)	I
Soil Extract Volume:	(uL)	5

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SDG	No.: ME0773	
Lab Sample ID:	E0773-20B	
Lab File ID:	V6E3488	
Date Received:	06/09/06	
Date Analyzed:	06/14/06	
Dilution Factor	r: 1.0	
Soil Aliquot V	olume:	(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.

					I
Lab Name: MITKEM COR	PORATION CO	ontract:		SMW-23SE	۰ <b>L</b>
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No	o.: ME077	3
Matrix: (soil/water)	WATER	Lab Samp	le ID: E(	0773-20BD	L
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID: Ve	5E3537	
Level: (low/med)	LOW	Date Rece	eived: 06	5/09/06	
% Moisture: not dec.	-	Date Ana	lyzed: 06	5/18/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution	Factor:	40.0	
Soil Extract Volume:	(uL)	Soil Alio	quot Volu	ume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION ( (ug/L or ug/Kg)	JNITS: UG/L	Q	
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-00-3\\ 75-09-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 78-93-3\\ 71-55-6\\ 71-55-6\\ 71-43-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 79-01-6\\ 79-01-6\\ 79-00-5\\ 108-88-3\\ 10061-02-6\\ 79-00-5\\ 79-00-5\\ 79-00-5\\ 79-00-5$	Dichlorodifluoro Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoron 1,1-Dichloroethane Carbon Disulfide Methylene Chlori trans-1,2-Dichloro Methyl tert-buty 1,1-Dichloroetha Vinyl acetate 2-Butanone cis-1,2-Dichloro 2,2-Dichloroprop Bromochlorometha Chloroform 1,1,1-Trichloroe 1,2-Dichloroprop Benzene Trichloroethene Dibromomethane 	methane   methane   methane   ene   ide   proethene   v1 ether   ane   pethene   pane   pethane   poride   pane   pane   propene   none   propropene   none		200       U         200       U	
75-27-4 10061-01-5 108-10-1 108-88-3 10061-02-6 79-00-5	Bromodichloromethane Bromodichloromethane cis-1,3-Dichloro 4-Methyl-2-penta Toluene trans-1,3-Dichlo 1,1,2-Trichloroe	hane propene none ropropene thane	2 2 2 2 2 2 2 2 2 2 2 2 2 2	00 U 00 U 00 U 00 U 00 U 00 U 00 U	

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA SAMPLE NO.

Lab Name: MITKEM CORPORAT	ION Contract	:	SM	W-23SDL	
Lab Code: MITKEM Case 1	No.: SAS No	.: SDG	No.:	ME0773	
Matrix: (soil/water) WATE	ર	Lab Sample ID:	E077	3-20BDL	
Sample wt/vol: 5.00	) (g/mL) ML	Lab File ID:	V6E3	537	
Level: (low/med) LOW		Date Received:	06/0	9/06	
<pre>% Moisture: not dec</pre>		Date Analyzed:	06/1	8/06	
GC Column: DB-624 ID:	0.25 (mm)	Dilution Facto	r: 40	.0	
Soil Extract Volume:	(uL)	Soil Aliquot V	olume	•	_(uL)
CAS NO. CO	MPOUND (ug/L	NTRATION UNITS: or ug/Kg) UG/L		Q	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3-Dichloropropane rachloroethene lexanone 2-Dibromoethane lorobenzene 1,1,2-Tetrachloroetha ylbenzene -Xylene (ylene lene (Total) /rene moform propylbenzene 2,2-Tetrachloroetha mobenzene 2,3-Trichloropropane Propylbenzene 2,3-Trimethylbenzene Chlorotoluene 3,5-Trimethylbenzene Chlorotoluene 2,4-Trimethylbenzene Sopropyltoluene 3-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dibromo-3-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2-Dibromo-s-chloroproc 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 3-Dibromo-s-chloroproc 2,4-Trichlorobenzene 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3-Dibromo-s-chloroproc 3	ane	$\begin{array}{c} 200\\ 5200\\ 200\\ 200\\ 200\\ 200\\ 200\\ 200$		
87-61-61,2	,3-Trichlorobenzene_		200	U U	
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#### 1E

#### EPA SAMPLE NO.

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3537 Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume: (uL)

SMW-23SDL SDG No.: ME0773 Lab Sample ID: E0773-20BDL Date Received: 06/09/06 Date Analyzed: 06/18/06 Dilution Factor: 40.0 Soil Aliquot Volume: \_\_\_\_\_(uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 138-86-3 3	UNKNOWN LIMONENE	11.12 12.13	250 1000	JD NJD
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11. 12. 13.				
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17 18 19 20				
21 22 23				
24 25 26				
27 28 29				
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-3A Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Matrix: (soil/water) WATER Lab Sample ID: E0773-18B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3486 Level: (low/med) Date Received: 06/09/06 LOW % Moisture: not dec. Date Analyzed: 06/14/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 75-71-8-----Dichlorodifluoromethane 5 U 5 U 5 U 5 U 5 U 5 U 74-87-3----Chloromethane 75-01-4-----Vinyl Chloride 74-83-9----Bromomethane 75-00-3-----Chloroethane 5 U 5 U 5 U 75-69-4-----Trichlorofluoromethane 75-35-4-----1,1-Dichloroethene 67-64-1----Acetone 5 U 74-88-4----Iodomethane 5 75-15-0-----Carbon Disulfide U 5 75-09-2-----Methylene Chloride 156-60-5-----trans-1,2-Dichloroethene U 5 U 1634-04-4-----Methyl tert-butyl ether 5 U 75-34-3-----1,1-Dichloroethane 5 U 5 5 5 108-05-4-----Vinyl acetate U 78-93-3----2-Butanone U 156-59-2----cis-1,2-Dichloroethene U 5 590-20-7-----2,2-Dichloropropane U 5 74-97-5----Bromochloromethane U 5 5 67-66-3-----Chloroform U 71-55-6-----1,1,1-Trichloroethane U 5 563-58-6----1,1-Dichloropropene U 56-23-5-----Carbon Tetrachloride 5 U 107-06-2-----1,2-Dichloroethane 5 U 71-43-2----Benzene 5 U 79-01-6-----Trichloroethene 5 U 78-87-5-----1, 2-Dichloropropane 5 U 74-95-3-----Dibromomethane 5 U 75-27-4----Bromodichloromethane 5 U 10061-01-5----cis-1,3-Dichloropropene 5 Ū 108-10-1-----4-Methyl-2-pentanone 5 U 108-88-3-----Toluene 5 U 10061-02-6----trans-1, 3-Dichloropropene 5 U 79-00-5-----1,1,2-Trichloroethane 5 U

OLM03.0

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-3A Lab Name: MITKEM CORPORATION Contract: SDG No.: ME0773 Lab Code: MITKEM Case No.: SAS No.: Lab Sample ID: E0773-18B Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3486 Date Received: 06/09/06 Level: (low/med) LOW Date Analyzed: 06/14/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: \_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 142-28-9-----1, 3-Dichloropropane 5 U 5 U 127-18-4-----Tetrachloroethene 5 U 591-78-6----2-Hexanone 5 U 124-48-1-----Dibromochloromethane 5 U 106-93-4-----1,2-Dibromoethane 5 U 5 U 108-90-7----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 100-41-4----Ethylbenzene 5 U -----m,p-Xylene 5 U 95-47-6----o-Xylene 5 1330-20-7-----Xylene (Total) U 5 U 100-42-5----Styrene 5 U 75-25-2----Bromoform 5 U 98-82-8-----Isopropylbenzene 5 5 5 U 79-34-5-----1,1,2,2-Tetrachloroethane U 108-86-1----Bromobenzene 96-18-4-----1,2,3-Trichloropropane U 5 103-65-1----n-Propylbenzene U 5 95-49-8----2-Chlorotoluene U 5 5 108-67-8-----1,3,5-Trimethylbenzene U 106-43-4----4-Chlorotoluene U 5 98-06-6----tert-Butylbenzene U 5 U 95-63-6-----1,2,4-Trimethylbenzene 5 U 135-98-8----sec-Butylbenzene 5 U 99-87-6-----4-Isopropyltoluene 5 U

 95-63-6------1, 2, 4-11 Interny IDenizene

 135-98-8------sec-Butylbenzene

 99-87-6------4-Isopropyltoluene

 541-73-1-----1, 3-Dichlorobenzene

 106-46-7-----1, 4-Dichlorobenzene

 104-51-8-----1, 2-Dichlorobenzene

 95-50-1-----1, 2-Dichlorobenzene

 96-12-8-----1, 2-Dibromo-3-chloropropane

 120-82-1-----1, 2, 4-Trichlorobenzene

 87-68-3------Naphthalene

 87-61-6------1, 2, 3-Trichlorobenzene

OLM03.0

5 U

5 U

5 U 5 U

5 U

5 U

5 U

5 U

#### 1E

#### EPA SAMPLE NO.

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION	Contract:	SMW-3A
Lab Code: MITKEM Case No.	SAS No.:	SDG No.: ME0773
Matrix: (soil/water) WATER	Lak	Sample ID: E0773-18B
Sample wt/vol: 5.000 (	g/mL) ML Lak	o File ID: V6E3486
Level: (low/med) LOW	Dat	e Received: 06/09/06
% Moisture: not dec.	Dat	e Analyzed: 06/14/06
GC Column: DB-624 ID: 0.2	5 (mm) Dil	ution Factor: 1.0
Soil Extract Volume:	(uL) Soi	l 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

#### EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

	SMW23D
Lab Name: MITKEM CORPORATION C	ontract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0773
Matrix: (soil/water) WATER	Lab Sample ID: E0773-21B
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V6E3511
Level: (low/med) LOW	Date Received: 06/09/06
% Moisture: not dec.	Date Analyzed: 06/15/06
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
75-71-8Dichlorodifluor         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Chloroethane         75-35-41,1-Dichloroeth         67-64-1Acetone         74-88-4Iodomethane         75-15-0Carbon Disulfid         75-09-2Methylene Chlor         156-60-5Trans-1,2-Dichl         1634-04-4Methyl tert-but         75-34-31,1-Dichloroeth         108-05-4Vinyl acetate         78-93-32-Butanone         156-59-22,2-Dichlor         590-20-72,2-Dichloropro         74-97-5Bromochlorometh         67-66-3	romethane       5       U         5       U       5         5       U       5         5       U       5         5       U       5         5       U       5         5       U       5         6       5       U         6       5       U         6       5       U         7       10       5         7       10       5         10       5       U         11       10       5         12       5       U         13       5       U         14       5       U         14       5       U         15       10       5         16       5       U         16       5       U         16       5       U         17       5       U         18       5       U         19       5       U         10       5       U         10       5       U         10       5       U         10       5

107-06-2----1,2-Dichloroethane

75-27-4-----Bromodichloromethane 10061-01-5----cis-1,3-Dichloropropene 108-10-1-----4-Methyl-2-pentanone

10061-02-6----trans-1,3-Dichloropropene 79-00-5-----1,1,2-Trichloroethane

79-01-6-----Trichloroethene 78-87-5-----1,2-Dichloropropane

74-95-3-----Dibromomethane

71-43-2----Benzene

108-88-3----Toluene

OLM03.0

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#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SMW23D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Lab Sample ID: E0773-21B Matrix: (soil/water) WATER Lab File ID: V6E3511 5.000 (g/mL) ML Sample wt/vol: Date Received: 06/09/06 (low/med) Level: LOW Date Analyzed: 06/15/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/L COMPOUND CAS NO. 5 U 142-28-9-----1,3-Dichloropropane 4 J 127-18-4-----Tetrachloroethene 5 U 591-78-6----2-Hexanone 5 U 124-48-1-----Dibromochloromethane 5 U 106-93-4-----1,2-Dibromoethane 5 U 108-90-7-----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 5 100-41-4----Ethylbenzene U 5 U -----m,p-Xylene 5 5 95-47-6----o-Xylene U U 1330-20-7-----Xylene (Total) 5 U 100-42-5----Styrene 5 U 75-25-2----Bromoform 5 5 U 98-82-8-----Isopropylbenzene U 79-34-5-----1,1,2,2-Tetrachloroethane 5 108-86-1----Bromobenzene U 5 U 96-18-4-----1,2,3-Trichloropropane\_\_\_ 5 5 5 103-65-1----n-Propylbenzene U U 95-49-8-----2-Chlorotoluene 108-67-8-----1,3,5-Trimethylbenzene U 5 U 106-43-4----4-Chlorotoluene 5 U 98-06-6-----tert-Butylbenzene 5 U 95-63-6-----1,2,4-Trimethylbenzene 5 U 135-98-8----sec-Butylbenzene 5 U 99-87-6-----4-Isopropyltoluene 5 U 541-73-1-----1,3-Dichlorobenzene 5 U 106-46-7----1,4-Dichlorobenzene 5 U 104-51-8----n-Butylbenzene 5 U 95-50-1-----1,2-Dichlorobenzene 5 U 96-12-8-----1,2-Dibromo-3-chloropropane\_ 5 U 120-82-1-----1,2,4-Trichlorobenzene 5 U 87-68-3-----Hexachlorobutadiene 5 U 91-20-3-----Naphthalene 5 U 87-61-6-----1,2,3-Trichlorobenzene

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1E VOLATILE ORGANICS ANALYSIS D	ATA SH	EET	EPA SAMPLE NO.	
TENTATIVELY IDENTIFIED C	OMPOUN	DS	SMW23D	
Lab Name: MITKEM CORPORATION Con	itract:	-		
Lab Code: MITKEM Case No.: S	SAS No.	: SDC	S No.: ME0773	
Matrix: (soil/water) WATER		Lab Sample ID:	E0773-21B	
Sample wt/vol: 5.000 (g/mL) ML		Lab File ID:	V6E3511	
Level: (low/med) LOW		Date Received:	06/09/06	
% Moisture: not dec.		Date Analyzed:	06/15/06	
GC Column: DB-624 ID: 0.25 (mm)		Dilution Facto	or: 1.0	
Soil Extract Volume:(uL)		Soil Aliquot V	Volume:	(uL)
Number TCa found. 1	CONCEN	TRATION UNITS		

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1		9,81	6	J
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OLM03.0

#### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V6KLCS

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0773	
Matrix: (soil/water) WATER	Lab Sample ID: LCS-23563	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V6E3473	
Level: (low/med) LOW	Date Received:	
% Moisture: not dec.	Date Analyzed: 06/14/06	
GC C Lumn: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0	
So stract Volume:(uL)	Soil Aliquot Volume:(uL	)
	CONCENTRATION UNITS:	

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

Q

-- 1

75-71-3	Dichlorodifluoromethane	43	
· · · · · · · · · · · · · · · · · · ·	Chloromethane	46	
	Vinyl Chloride	57	
	Bromomethane	57	
1 75	Chloroethane	63	
75-6	Trichlorofluoromethane	64	
75-35	1,1-Dichloroethene	46	
67-64-1	Acetone	46	
74-88-4	Iodomethane	50	
75-15-0	Carbon Disulfide	46	
75-09-2	Methylene Chloride	45	
156-60-5	trans-1,2-Dichloroethene	46	
1634-04-4	Methyl tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	45	
108-05-4	Vinyl acetate	50	
78-93-3	2-Butanone	52	
156-59-2	cis-1,2-Dichloroethene	48	
590-20-7	2,2-Dichloropropane	45	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	47	
563-58-6	1,1-Dichloropropene	46	
56-23-5	Carbon Tetrachloride	48	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	_ 47	
74-95-3	Dibromomethane	_ 52	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	_ 47	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	53	

OLM03.0

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	OROUNTCO IMPEDIDID	DATA DILLET			
Lab Name: MITKEM CORI	PORATION	ontract:		V6KLCS	
Lab Code: MITKEM (	Case No.:	SAS No.:	SDG No	.: ME0773	
Matrix: (soil/water)	WATER	Lab Sampl	e ID: LCS	S-23563	
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID: V6I	E3473	
Level: (low/med)	LOW	Date Rece	ived:		
% Moisture: not dec.		Date Anal	yzed: 06,	/14/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution	Factor: 1	1.0	
Soil Extract Volume:	(uL)	Soil Aliq	uot Volur	me:	(uL)
CAS NO.	COMPOUND	CONCENTRATION U (ug/L or ug/Kg)	NITS: UG/L	Q	
142-28-9		pane he thane thane thane thane thane thane thoroethane e thoroethane e thoroethane propane propane propane propane penzene the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the the	$\begin{array}{c} 1 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\$	50	

OLM03.0

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

V6LLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Matrix: (soil/water) WATER Lab Sample ID: LCS-23536 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3503 Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 06/15/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 1-

75-71-8Dichl 74-87-3Chlor 75-01-4Vinyl 74-83-9Bromo 75-00-3Chlor	orodifluoromethane omethane Chloride methane	48 48 56 59	
75-69-4Trich	lorofluoromethane	28	<u> </u>
75-35-41,1-D	ichloroethene	46	
67-64-1Aceto	ne	43	
74-88-4Iodom	ethane	52	
75-15-0Carbo	n Disulfide	46	
75-09-2Methy	lene Chloride	47	
156-60-5trans	-1,2-Dichloroethene	46	
1634-04-4Methy	l tert-butyl ether	54	
75-34-31,1-D	ichloroethane	47	
108-05-4Vinyl	acetate	49	
78-93-32-But	anone	49	
156-59-2cis-1	,2-Dichloroethene	49	
590-20-72,2-D	ichloropropane	46	
74-97-5Bromo	chloromethane	52	
67-66-3Chlore	oform	42	
71-55-61,1,1	-Trichloroethane	46	
563-58-61,1-D	ichloropropene	50	
56-23-5Carbo	n Tetrachloride	49	
107-06-21,2-D	ichloroethane	51	
71-43-2Benzer	ne	48	
79-01-6Trich	loroethene	48	
78-87-51,2-D	ichloropropane	48	
74-95-3Dibro	nomethane	52	
75-27-4Bromod	lichloromethane	50	
10061-01-5cis-1	3-Dichloropropene	48	
108-10-14-Metl	nyl-2-pentanone	47	
108-88-3Toluer	ne	47	
10061-02-6trans	-1,3-Dichloropropene	47	
79-00-51,1,2-	-Trichloroethane	51	

OLM03.0
EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

CAS NO.

V6LLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0773 Matrix: (soil/water) WATER Lab Sample ID: LCS-23536 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E3503 Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 06/15/06 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume:\_\_\_\_(uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: COMPOUND

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

Q

142-28-91,3-Dichloropropane	49	
127-18-4Tetrachloroethene	50	
591-78-62-Hexanone	44	
124-48-1Dibromochloromethane	50	
106-93-41,2-Dibromoethane	51	
108-90-7Chlorobenzene	49	
630-20-61,1,1,2-Tetrachloroethane	50	
100-41-4Ethylbenzene	51	
m,p-Xvlene	98	
95-47-6o-Xvlene	48	
1330-20-7Xvlene (Total)	140	
100-42-5Styrene	49	
75-25-2Bromoform	52	
98-82-8Isopropylbenzene	48	
79-34-51,1,2,2-Tetrachloroethane	50	
108-86-1Bromobenzene	50	
96-18-41.2.3-Trichloropropane	54	
103-65-1n-Propylbenzene	46	
95-49-82-Chlorotoluene	48	
108-67-81,3,5-Trimethylbenzene	48	
106-43-44-Chlorotoluene	46	
98-06-6tert-Butylbenzene	48	
95-63-61.2.4-Trimethylbenzene	48	
135-98-8sec-Butylbenzene	48	
99-87-64-Isopropyltoluene	46	
541-73-11.3-Dichlorobenzene	48	
106-46-71,4-Dichlorobenzene	49	
104-51-8n-Butvlbenzene	44	
95-50-11.2-Dichlorobenzene	49	
96-12-81.2-Dibromo-3-chloropropane	45	
120-82-11,2,4-Trichlorobenzene	41	
87-68-3Hexachlorobutadiene	41 41	
91-20-3Naphthalene	20	[
87-61-61.2.3-Trichlorobenzene	26	
		[

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSIS	DATA SHEET	
Lab Name: MITKEM CORI	PORATION CO	ontract:	V6MLCS
Lab Code: MITKEM	Case No.:	SAS No.: SDO	G No.: ME0773
Matrix: (soil/water)	WATER	Lab Sample ID:	LCS-24249
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V6E3533
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec.		Date Analyzed:	06/18/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot V	/olume:(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/I	_ O

	75 71 0	Dichlevedifluevemethere	10	
		Chloromothano	40	
	74-87-3	30		
		Promomethane	45	
		Chloroothano	40	
		Chioroechane	52	
		Intentoronuoromethane	60	
		1,1-Dichioroethene	42	
	67-64-1	Acetone	48	
	74-88-4	lodomethane	46	
	75-15-0	Carbon Disulfide	38	
	/5-09-2	Methylene Chloride	46	
	156-60-5	trans-1,2-Dichloroethene	45	
	1634-04-4	Methyl tert-butyl ether	48	
	75-34-3	1,1-Dichloroethane	47	
	108-05-4	Vinyl acetate	46	
	78-93-3	2-Butanone	48	
	156-59-2	cis-1,2-Dichloroethene	47	
	590-20-7	2,2-Dichloropropane	46	
	74-97-5	Bromochloromethane	49	
	67-66-3	Chloroform	46	
	71-55-6	1,1,1-Trichloroethane	47	
	563-58-6	1,1-Dichloropropene	50	
	56-23-5	Carbon Tetrachloride	47	
	107-06-2	1,2-Dichloroethane	49	
	71-43-2	Benzene	46	
	79-01-6	Trichloroethene	48	
	78-87-5	1,2-Dichloropropane	47	
	74-95-3	Dibromomethane	48	
	75-27-4	Bromodichloromethane	48	
	10061-01-5	cis-1.3-Dichloropropene	48	
	108-10-1	4-Methyl-2-pentanone	49	
	108-88-3	Toluené	47	
	10061-02-6	trans-1.3-Dichloropropene	48	
	79-00-5	1,1,2-Trichloroethane	53	
		, ,	55	
- 1				

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V6MLCS

Lab Name: MITKEM CORPORATION	Contract:		· · · · · · · · · · · · · · · · · · ·	
Lab Code: MITKEM Case No.:	SAS No.:	: SDG	No.: ME0773	
Matrix: (soil/water) WATER	I	Lab Sample ID:	LCS-24249	
Sample wt/vol: 5.000 (g/m	mL) ML I	Lab File ID:	V6E3533	
Level: (low/med) LOW	I	Date Received:		
% Moisture: not dec.	I	Date Analyzed:	06/18/06	
GC Column: DB-624 ID: 0.25	(mm) I	Dilution Facto	r: 1.0	
Soil Extract Volume:(u	L) S	Soil Aliquot V	olume:	(uL)
	CONCEN	TRATTON UNTTS:		

CAS NO. COMPOUND

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

Q

142-28-91,3-Dichloropropane	48	
127-18-4Tetrachloroethene	47	
591-78-62-Hexanone	46	
124-48-1Dibromochloromethane	50	
106-93-41,2-Dibromoethane	48	
108-90-7Chlorobenzene	47	
630-20-61,1,1,2-Tetrachloroethane	48	
100-41-4Ethylbenzene	47	
m,p-Xylene	96	
95-47-6o-Xylene	48	
1330-20-7Xylene (Total)	140	
100-42-5Styrene	48	
75-25-2Bromoform	50	
98-82-8Isopropylbenzene	48	
79-34-51,1,2,2-Tetrachloroethane	50	
108-86-1Bromobenzene	49	
96-18-41,2,3-Trichloropropane	52	
103-65-1n-Propylbenzene	46	
95-49-82-Chlorotoluene	48	
108-67-81,3,5-Trimethylbenzene	48	
106-43-44-Chlorotoluene	47	
98-06-6tert-Butylbenzene	48	
95-63-61,2,4-Trimethylbenzene	48	
135-98-8sec-Butylbenzene	46	
99-87-64-Isopropyltoluene	46	
541-73-11,3-Dichlorobenzene	48	
106-46-71,4-Dichlorobenzene	50	
104-51-8n-Butylbenzene	46	
95-50-11,2-Dichlorobenzene	50	
96-12-81,2-Dibromo-3-chloropropane	47	
120-82-11,2,4-Trichlorobenzene	42	
87-68-3Hexachlorobutadiene	43	
91-20-3Naphthalene	40	
87-61-61,2,3-Trichlorobenzene	38	

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V6MLCSD

Lab Name: MITKEM CORE	PORATION	Contract:	
Lab Code: MITKEM (	Case No.:	SAS No.: SD	G No.: ME0773
Matrix: (soil/water)	WATER	Lab Sample ID	: LCSD-24249
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V6E3534
Level: (low/med)	LOW	Date Received	:
% Moisture: not dec.		Date Analyzed	: 06/18/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fact	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:(uL)

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Q

Dichlensdifluoromethere	26	
/5-/1-8Dichlorodiffuoromethane	20	
75 01 4 Vinul Chloride	30	
	40	
74-83-9Bromomethane	40	
75-00-3Chioroethane	49	
75-69-4Trichlorofluoromethane	60	
75-35-41, 1-Dichloroethene	41	
67-64-1Acetone	48	
74-88-4Iodomethane	46	
75-15-0Carbon Disulfide	37	
75-09-2Methylene Chloride	47	
156-60-5trans-1,2-Dichloroethene	45	
1634-04-4Methyl tert-butyl ether	50	
75-34-31,1-Dichloroethane	45	
108-05-4Vinyl acetate	47	
78-93-32-Butanone	50	
156-59-2cis-1,2-Dichloroethene	48	
590-20-72,2-Dichloropropane	46	
74-97-5Bromochloromethane	49	
67-66-3Chloroform	46	
71-55-61,1,1-Trichloroethane	47	
563-58-61,1-Dichloropropene	48	
56-23-5Carbon Tetrachloride	48	
107-06-21,2-Dichloroethane	50	
71-43-2Benzene	47	
79-01-6Trichloroethene	48	
78-87-51,2-Dichloropropane	49	
74-95-3Dibromomethane	50	
75-27-4Bromodichloromethane	50	
10061-01-5cis-1.3-Dichloropropene	49	
108-10-14-Methvl-2-pentanone	50	
108-88-3Toluene	47	
10061-02-6trans-1.3-Dichloropropene	48	
79-00-51.1.2-Trichloroethane	52	
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V6MLCSD

Lab Name: MITKEM CORI	PORATION	ontract:	· · · · · · · · · · · · · · · · · · ·
Lab Code: MITKEM	Case No.:	SAS No.: SDC	HO.: ME0773
Matrix: (soil/water)	WATER	Lab Sample ID:	LCSD-24249
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V6E3534
Level: (low/med)	LOW	Date Received:	·
% Moisture: not dec.		Date Analyzed:	06/18/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot V	Nolume:(uL)
		CONCENTRATION UNITS	

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

Q

142-28-91,3-Dichloropropane	49	
127-18-4Tetrachloroethene	48	
591-78-62-Hexanone	48	
124-48-1Dibromochloromethane	50	
106-93-41,2-Dibromoethane	48	
108-90-7Chlorobenzene	48	
630-20-61,1,1,2-Tetrachloroethane	49	
100-41-4Ethylbenzene	48	
m,p-Xylene	95	
95-47-6o-Xylene	49	
1330-20-7Xylene (Total)	140	
100-42-5Styrene	49	
75-25-2Bromoform	51	
98-82-8Isopropylbenzene	48	
79-34-51,1,2,2-Tetrachloroethane	54	
108-86-1Bromobenzene	51	
96-18-41,2,3-Trichloropropane	55	
103-65-1n-Propylbenzene	47	
95-49-82-Chlorotoluene	48	
108-67-81,3,5-Trimethylbenzene	49	
106-43-44-Chlorotoluene	48	
98-06-6tert-Butylbenzene	49	
95-63-61,2,4-Trimethylbenzene	49	
135-98-8sec-Butylbenzene	48	
99-87-64-Isopropyltoluene	48	
541-73-11,3-Dichlorobenzene	51	
106-46-71,4-Dichlorobenzene	51	
104-51-8n-Butylbenzene	48	
95-50-11,2-Dichlorobenzene	51	
96-12-81,2-Dibromo-3-chloropropane	48	
120-82-11,2,4-Trichlorobenzene	46	
87-68-3Hexachlorobutadiene	45	
91-20-3Naphthalene	43	
87-61-61,2,3-Trichlorobenzene	42	

EPA SAMPLE NO

1

### INORGANIC ANALYSIS DATA SHEET SMW-11 Contract: 152033/15 Lab Name: Mitkem Corporation Lab Code: <u>MITKEM</u> Case No. SAS No.: SDG No.: ME0773 Lab Sample ID: E0773-19 Matrix (soil/water): <u>WATER</u> Date Received: 06/09/06 Level (low/med): MED 0.0

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	1440			P
7440-36-0	Antimony	1.2	υ		P
7440-38-2	Arsenic	1.7	В		Р
7440-39-3	Barium	46.1	В		P
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	4.4	В		Р
7440-70-2	Calcium	11100			Р
7440-47-3	Chromium	50.1			P
7440-48-4	Cobalt	2.7	В		Р
7440-50-8	Copper	18.5	В		Р
7439-89-6	Iron	1510			Р
7439-92-1	Lead	0.46	U		Р
7439-95-4	Magnesium	3560			P
7439-96-5	Manganese	30.7	В		Р
7440-02-0	Nickel	22.4	В		Р
7440-09-7	Potassium	1940			Р
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	23700			Р
7440-28-0	Thallium	1.2	U		Р
7440-62-2	Vanadium	2.7	В		P
7440-66-6	Zinc	80.9			P
7439-97-6	Mercury	0.065	U		CV

### Comments:

INORGANIC ANALYSIS DATA SHEET Contract: <u>152033/15</u> Lab Name: Mitkem Corporation SAS No.: SDG No.: ME0773 Lab Code: <u>MITKEM</u> Case No. Lab Sample ID: E0773-20 Matrix (soil/water): <u>WATER</u> Date Received: 06/09/06 Level (low/med): MED 0.0 % Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	253			Р
7440-36-0	Antimony	1.2	U		Р
7440-38-2	Arsenic	1.6	U		Р
7440-39-3	Barium	25.6	В		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	17800			P
7440-47-3	Chromium	0.66	В		Р
7440-48-4	Cobalt	2.0	В		Р
7440-50-8	Copper	8.5	В		P
7439-89-6	Iron	133	В		Р
7439-92-1	Lead	0.46	U		Р
7439-95-4	Magnesium	6830			Р
7439-96-5	Manganese	1570			P
7440-02-0	Nickel	15.0	В		P
7440-09-7	Potassium	1340			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	28700			P
7440-28-0	Thallium	7.8	В		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	15.2	В		P
7439-97-6	Mercury	0.065	U		CV

#### Comments:

SW846

1 INORGANIC ANALYSIS DATA SHEET

## EPA SAMPLE NO

	SMW-3A		
Lab Name: <u>Mitkem Cor</u>	poration	Contract: <u>152033/15</u>	
Lab Code: MITKEM	Case No.	SAS No.:	SDG No.: ME0773
Matrix (soil/water):	WATER	Lab Sample ID: <u>E</u>	20773-18
Level (low/med):	MED	Date Received: <u>(</u>	06/09/06
% Solids:	0.0		

Concentration Units (ug/L or mg/kg dry weight):  $\underline{\text{UG/L}}$ 

		·····			
CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	749			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		Р
7440-39-3	Barium	67.3	В		Р
7440-41-7	Bervllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	10800			Р
7440-47-3	Chromium	55.8			Р
7440-48-4	Cobalt	2.4	В		Р
7440-50-8	Copper	13.0	В		P
7439-89-6	Tron	1070			P
7439-92-1	Lead	0.46	U		Р
7439-95-4	Magnesium	4290			P
7439-96-5	Manganese	143			P
7440-02-0	Nickel	23.6	В		P
7440-09-7	Potassium	2170			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	129000	1		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.4	В		P
7440-66-6	Zinc	53.7			P
7439-97-6	Mercury	0.065	U		CV
1,10, 5, 0			1		
,		,			

Comments:

SW846

## EPA SAMPLE NO

1 GANIC ANALYSIS DATA SHEET

	INORGANIC AN	ALISIS DATA SHE		SMW	23D
		Contract:	152033/15		
Lab Name: Mitkem Cor	poration			SDG No.:	ME0773
Lab Code: MITKEM	Case No.	SAS No.:		000 1.000	
	WATER.	Lab Sar	nple ID: <u>H</u>	20773-21	
Matrix (soil/water):	WAILIN		accired. (	16/09/06	
Level (low/med):	MED	Date R	ecerved.	<u>, , , , , , , , , , , , , , , , , , , </u>	
% Solids:	0.0				

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
	a 7	7130		E	Р
7429-90-5	Aluminum	1.4	В		P
7440-36-0	Antimony	2 5	B		Р
7440-38-2	Arsenic	2.3	D D		Р
7440-39-3	Barium	11.0	D		P
7440-41-7	Beryllium	0.60			P
7440-43-9	Cadmium	0.10	0		D
7440-70-2	Calcium	14800	<u> </u>		D D
7440-47-3	Chromium	12.2	B		
7440-48-4	Cobalt	5.0	B		E D
7440-50-8	Copper	27.2	B		r D
7439-89-6	Iron	3800	<u> </u>	E	P
7439-92-1	Lead	0.46	U		<u>P</u>
7439-95-4	Magnesium	2440	)	E	<u></u>
7439-95-5	Manganese	109	)		P
7439-90 0	Nickel	7.0	5 B		P
7440-02-0	Dotassium	3270	)		P
1440-09-1	FOLASSium	0.91	3 U		P
7782-49-2	Selenium	0.9	1 C	J	P
7440-22-4	Silver	1620	0		P
7440-23-5	Sodium	1.	3 E	3	P
7440-28-0	Thallium	14	5 F	2	P
7440-62-2	Vanadium	±1.	8		P
7440-66-6	Zinc		5 1	1	CV
7439-97-6	Mercury	0.06		, 	

#### Comments:

SW846



"Environmental Testing For The New Millennium"

July 24, 2006

Earth Tech Northeast, Inc. 300 Broadacres Drive Bloomfield, NJ 07003 Attn: Mr. Allen Burton

RE: Client Project: Multi-Site G, Servall Lab Project #: E0832

Dear Mr. Burton:

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

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

UMARI

Agnes R. Ng CLP Project Manager



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

## Project Name : Multi Site - Servall

**SDG : E0832** 

			Anar	lytical Requirements	5	
Customer	Laboratory					
Sample ID	Sample ID	MSVOA	MSSEMI	GC*	ME	Other
		Method #	Method #	Method #		
SMW-12	E0832-01	SW8260B_W			SW6010B W	
SMW-12	E0832-01					
SMW-13	E0832-02	SW8260B_W			SW6010B_W	
SMW-13	E0832-02				SW7470A	
SMW-14	E0832-03	SW8260B_W			SW6010B W	
SMW-14	E0832-03				SW/7470A	
SMW-16	E0832-04	SW8260B W			SW6010B W	
SMW-16	E0832-04				SW0010B_VV	
SMW-5	E0832-05	SW8260B W			SW6010P W	
SMW-5	E0832-05				SW0010B_VV	
SMW-6A	E0832-06	SW8260B_W			SW/4/0A	
SMW-6A	E0832-06				SW6010B_W	
SMW-6B	E0832-07	SW0260B W			SW7470A	
	C0032-07	300200B_VV			SW6010B_W	
	E0832-07				SW7470A	
DUP	E0832-08	SW8260B_W			SW6010B_W	
DUP	E0832-08				SW7470A	
SMW-4	E0832-10	SW8260B_W			SW6010B W	
SMW-4	E0832-10				SW/7470A	



EARTH TECH BLOOMFIELD, NJ

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

## Project Name : Multi Site - Servall

**SDG :** <u>E0832</u>

Laboratory		Date	Date Received	Date	Date
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed
SW8260B_W					1
E0832-01B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-01BMS	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-01BMSD	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-02B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-03B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-04B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-05B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-06B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-07B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-07BDL	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-08B	AQ	6/15/2006	6/19/2006	NA	6/29/2006
E0832-10B	AQ	6/16/2006	6/19/2006	NA	6/29/2006

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

## Project Name : Multi Site - Servall

**SDG :** <u>E0832</u>

Laboratory		Analytical	Extraction	Low/Medium	Dil/Conc
Sample ID	Matrix	Protocol	Method	Level	Factor
SW8260B_W					
E0832-01B	AQ	SW8260B_W	NA	LOW	1
E0832-01BMS	AQ	SW8260B_W	NA	LOW	1
E0832-01BMSD	AQ	SW8260B_W	NA	LOW	1
E0832-02B	AQ	SW8260B_W	NA	LOW	1
E0832-03B	AQ	SW8260B_W	NA	LOW	1
E0832-04B	AQ	SW8260B_W	NA	LOW	1
E0832-05B	AQ	SW8260B_W	NA	LOW	1
E0832-06B	AQ	SW8260B_W	NA	LOW	1
E0832-07B	AQ	SW8260B_W	NA	LOW	1
E0832-07BDL	AQ	SW8260B_W	NA	LOW	10
E0832-08B	AQ	SW8260B_W	NA	LOW	1
E0832-10B	AQ	SW8260B_W	NA	LOW	1

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

## Project Name : Multi Site - Servall

**SDG :** E0832

Laboratory	T	Metals	Date Received	Date
Sample ID	Matrix	Requested	By Lab	Analyzed
SW6010B_W				
E0832-01A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-01ADUP	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-01AMS	AQ	SW6010B_W	6/19/2006	6/28/2006
E0832-02A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-03A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-04A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-05A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-06A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-07A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-08A	AQ	SW6010B_W	6/19/2006	6/30/2006
E0832-10A	AQ	SW6010B_W	6/19/2006	6/30/2006
SW7470A				
E0832-01A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-01ADUP	AQ	SW7470A	6/19/2006	6/30/2006
E0832-01AMS	AQ	SW7470A	6/19/2006	6/30/2006
E0832-02A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-03A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-04A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-05A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-06A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-07A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-08A	AQ	SW7470A	6/19/2006	6/30/2006
E0832-10A	AQ	SW7470A	6/19/2006	6/30/2006

Report of Laboratory Analyses for Earth Tech Northeast, Inc.

Client Project: Multi-site G, Servall

Mitkem Work Order ID: E0832

July 24, 2006

Prepared For: Earth Tech Northeast, Inc. 300 Broadacres Drive Bloomfield, NJ 07003 Attn: Mr. Allen Burton

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 Northeast Inc.'s Multi-site G, Servall, project. Under this deliverable, analysis results are presented for ten aqueous samples that were received on June 19, 2006. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussions with the client. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

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

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

## 2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of low recovery of trans-1,2-dichloroethene and methyl tert-butyl ether in V5ALCS and high recovery of chloroethane, methylene chloride, 1,2-dichloropropane and

bromodichloromethane in V5BLCS. Replicate RPDs were within the QC limits with the exception of methylene chloride in V5BLCS/V5BLCSD.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample SMW-12. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: due to the high concentration of target analytes, sample SMW-6B was reanalyzed at 10x dilution. Please note that the trip blank was received in a 500mL plastic bottle. The trip blank was not analyzed. No other unusual observation was made for the analysis.

3. Metals Analysis:

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

Matrix spike: matrix spike was performed on sample SMW-12. Spike recoveries were within the QC limits.

Duplicate: duplicate analysis was performed on sample SMW-12. Replicate RPDs were within the QC limits with the exception of iron. Iron is flagged with an "\*" on the data report forms.

Sample analysis: serial dilution was performed on sample SMW-12. Percent differences were within the QC limits. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hardcopy data package.

U MUSRI

Agnes Ng CLP Project Manager 07/24/06

Mitkem	1 Corporation	2	0/Jun/06 1	8:33	Work(	Order: E0832
Client Proj Locati Commer	ID: EARTH_NJ ect: Multi Site ion: SERVALL nts: N/A		Case: SDG: PO: 152077		Repo	rt Level: ASP-B EDD: CLF HC Due: 07/10/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Recv'd	Matrix Test Co	de	Lab Test Comments	Hold MS SEL Storage
E0832-01A	SMW-12	06/15/2006 09:15 06/19/2006	Aqueous SW6010	JB_W	TAL	IW D
			SW747(	A	TAL	
E0832-01B	SMW-12	06/15/2006 09:15 06/19/2006	Aqueous SW8260	JB_W		
E0832-02A	SMW-13	06/15/2006 09:50 06/19/2006	Aqueous SW6010	)B_W	TAL	M MI
			SW7470	A(	TAL	
E0832-02B	SMW-13	06/15/2006 09:50 06/19/2006	Aqueous SW8260	₿_W		OV C
E0832-03A	SMW-14	06/15/2006 11:00 06/19/2006	Aqueous SW6010	в_W	TAL	
			SW7470	A	TAL	IM 🗌 🔲
E0832-03B	SMW-14	06/15/2006 11:00 06/19/2006	Aqueous SW8260.	B_W		0A
E0832-04A	SMW-16	06/15/2006 11:50 06/19/2006	Aqueous SW6010)	B_W	TAL	
			SW7470.	A	TAL	
E0832-04B	SMW-16	06/15/2006 11:50 06/19/2006	Aqueous SW82601	B_W		
Client Rep: /	Agnes R Ng				Page	1 of 3

Mitker	n Corporation	<i>5</i>	1/Jun/06	18:33	Work	Order: E0832
Clien Pro Loca Commo	t ID: EARTH_NJ ject: Multi Site tion: SERVALL ents: N/A		Case: SDG: PO: 15207	L	Repo	ort Level: ASP-B EDD: CLF HC Due: 07/10/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Recv'd	Matrix Test C	ode	Lab Test Comments	Hold MS SEL Storage
E0832-05A	SMW-5	06/15/2006 14:00 06/19/2006	Aqueous SW601	[0B_W	TAL	M MI
<ul> <li>The Property Could also and an an an an any problem in the second property of the second property of</li></ul>			SW745	70A	TAL	
E0832-05B	SMW-5	06/15/2006 14:00 06/19/2006	Aqueous SW826	0B_W		VOV
E0832-06A	SMW-6A	06/15/2006 13:25 06/19/2006	Aqueous SW601	0B_W	TAL	
			SW747	0A	TAL	
E0832-06B	SMW-6A	06/15/2006 13:25 06/19/2006	Aqueous SW826	0B_W		O VOA
E0832-07A	SMW-6B	06/15/2006 13:45 06/19/2006	Aqueous SW601	0B_W	TAL	
			SW747	0A	TAL	
E0832-07B	SMW-6B	06/15/2006 13:45 06/19/2006	Aqueous SW826	0B_W		NOA 🗌 🗍
E0832-08A	DUP	06/15/2006 09:15 06/19/2006	Aqueous SW601	0B_W	TAL	
a series - y constanting - y constanting a constanting a constanting a constanting a constanting a constanting			SW747	DA A	TAL	

Page 2 of 3

Client Rep: Agnes R Ng

246 246 266 April

Mitkem	Corporation	20/Jun	06 18:33	Work	Order: E0832
Client 1 Proje	D: EARTH_NJ ct: Multi Site	Case SDG		Rep	ort Level: ASP-B EDD: CLF
Locatic Commen	on: SERVALL its: N/A	PO	: 152077		HC Due: 07/10/06 Fax Due:
Sample ID	Client Sample ID	Collection Date Date Recy'd Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
E0832-08B	DUP	06/15/2006 09:15 06/19/2006 Aqueous	SW8260B_W		VOA
E0832-09A	TRIP BLANK	06/16/2006 00:00 06/19/2006 Aqueous	SW8260B_W		VOA
E0832-10A	SMW-4	06/16/2006 11:20 06/19/2006 Aqueous	SW6010B_W	TAL	IM MI
			SW7470A	TAL	
E0832-10B	SMW-4	06/16/2006 11:20 06/19/2006 Aqueous	SW8260B_W		NOA 🗌 🗍

Client Rep: Agnes R Ng

Page 3 of 3

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			1		
Lab Name: MITKEM COR	PORATION C	Contract:		DUP	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.	: ME0832	
Matrix: (soil/water)	WATER	Lab Sample 1	ID: E083	32-08B	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID	: V5G8	3293	
Level: (low/med)	LOW	Date Receive	ed: 06/1	19/06	
% Moisture: not dec.		Date Analyze	ed: 06/2	29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fac	ctor: 1.	. 0	
Soil Extract Volume:	(uL)	Soil Aliquot	: Volume	≥:	_(uL)
CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg) UC	rs: G/L	Q	
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 56-23-5\\ 563-58-6\\ 56-23-5\\ 107-06-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ 79-00-5\\ \end{array}$	Dichlorodifluor Chloromethane Vinyl Chloride Bromomethane Chloroethane Chloroethane Trichlorofluorof Acetone Iodomethane Carbon Disulfide Methylene Chlor: trans-1,2-Dichlor Vinyl acetate 2-Butanone cis-1,2-Dichlorof 2,2-Dichloroprof Bromochloromethat Chloroform 1,1,1-Trichloroe 1,2-Dichloroprof Carbon Tetrachlo 1,2-Dichloroprof Benzene Trichloroethene 	omethane   methane   ene   ide   oroethene   y1 ether   ane   opethene   oane   ane   obethene   oane   oane	599999999999999999999999999999999999999		

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

· • • • • • • • • • • • • • • • • • • •	ORGANICS ANALISIS	DATA SHEET	1		
Lab Name: MITKEM COR	PORATION C	ontract:		DUP	
Lab Code: MITKEM (	Case No.:	SAS No.:	SDG No.	: ME0832	
Matrix: (soil/water)	WATER	Lab Samp	le ID: E08	32-08B	
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID: V5G	8293	
Level: (low/med)	LOW	Date Rec	eived: 06/	19/06	
% Moisture: not dec.		Date Ana	lyzed: 06/	29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution	Factor: 1	.0	
Soil Extract Volume:	(uL)	Soil Alio	quot Volum	e:	(uL)
CAS NO.	COMPOUND	CONCENTRATION ( (ug/L or ug/Kg)	JNITS: ) UG/L	Q	
$\begin{array}{c} 142-28-9\\ 127-18-4\\ 591-78-6\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 108-90-7\\ 00-41-4\\ 95-47-6\\ 1330-20-7\\ 100-42-5\\ 75-25-2\\ 98-82-8\\ 75-25-2\\ 98-82-8\\ 75-25-2\\ 98-82-8\\ 108-86-1\\ 96-18-4\\ 96-18-4\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 135-98-8\\ 99-87-6\\ 541-73-1\\ 104-51-8\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 87-68-3\\ 87-68-3\\ 87-61-6\\ \end{array}$	1,3-Dichloroprop Tetrachloroether 2-Hexanone Dibromochloromet 1,2-Dibromoethar Chlorobenzene 1,1,1,2-Tetrach Ethylbenzene m,p-Xylene Xylene Xylene Xylene Xylene Xylene Xylene 	pane	14 14 14 14 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15		

#### EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract Lab Code: MITKEM Case No.: SAS No Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume:\_\_\_\_(uL)

Contract:	DUP
SAS No.: SDO	G No.: ME0832
Lab Sample ID	: E0832-08B
Lab File ID:	V5G8293
Date Received	: 06/19/06
Date Analyzed	: 06/29/06
Dilution Facto	pr: 1.0
Soil Aliquot V	/olume:(uL)

1

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:	SMW-12
Lab Code: MITKEM	Case No.:	SAS No.: SE	G No.: ME0832
Matrix: (soil/water)	WATER	Lab Sample ID	: E0832-01B
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8290
Level: (low/med)	LOW	Date Received	l: 06/19/06
% Moisture: not dec.		Date Analyzed	: 06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fact	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:(uL
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/	: L Q
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-09-3\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 78-93-3\\ 71-55-6\\ 563-58-6\\ 56-23-5\\ 563-58-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ 79-00-5\\ \end{array}$	Dichlorodifluo Chloromethane Vinyl Chloride Bromomethane Trichlorofluor 1,1-Dichloroet Acetone Iodomethane Carbon Disulfi Methylene Chlo trans-1,2-Dichloroet Vinyl acetate 2-Butanone cis-1,2-Dichloropro Bromochlorometl Chloroform 1,1,1-Trichloroet Chloroform 1,2-Dichloropro Benzene Trichloroethene Dibromomethane Cis-1,3-Dichloromethene Toluene Trichloroethene 	oromethane	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-12 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-01B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8290 Level: (low/med) LOW Date Received: 06/19/06 % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 142-28-9-----1,3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 17 591-78-6----2-Hexanone 5 | <del>U</del> 124-48-1----Dibromochloromethane 5 U 106-93-4----1,2-Dibromoethane 5 U 108-90-7----Chlorobenzene 4 J 5 U 5 U 5 U 630-20-6-----1,1,1,2-Tetrachloroethane 100-41-4----Ethylbenzene -----m,p-Xylene 95-47-6----o-Xylene 5 U 5 5 5 1330-20-7-----Xylene (Total) U 100-42-5-----Styrene U 75-25-2----Bromoform 5 U 98-82-8-----Isopropylbenzene 5 U 79-34-5-----1,1,2,2-Tetrachloroethane 5 5 U 108-86-1----Bromobenzene U 96-18-4-----1,2,3-Trichloropropane 5 U 103-65-1----n-Propylbenzene 5 U 95-49-8-----2-Chlorotoluene 5 U 108-67-8-----1,3,5-Trimethylbenzene 5 U 106-43-4-----4-Chlorotoluene 5 U 98-06-6-----tert-Butylbenzene 5 U 95-63-6-----1,2,4-Trimethylbenzene 5 U 135-98-8----sec-Butylbenzene 5 U 99-87-6-----4-Isopropyltoluene 5 U 541-73-1----1, 3-Dichlorobenzene 5 U 106-46-7-----1,4-Dichlorobenzene 5 U 104-51-8----n-Butylbenzene 5 U 95-50-1-----1, 2-Dichlorobenzene 9 96-12-8-----1,2-Dibromo-3-chloropropane 5 Ū 120-82-1-----1,2,4-Trichlorobenzene 5 U 87-68-3-----Hexachlorobutadiene 5 U 91-20-3-----Naphthalene 5 U 87-61-6-----1,2,3-Trichlorobenzene 5 U

#### 1E

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS .

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:	SMW-12
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: ME0832
Matrix: (soil/water)	WATER	Lab Sample	ID: E0832-01B
Sample wt/vol:	5.000 (g/mL) ML	Lab File II	): V5G8290
Level: (low/med)	LOW	Date Receiv	red: 06/19/06
% Moisture: not dec.		Date Analyz	zed: 06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fa	actor: 1.0
Soil Extract Volume:	(uL)	Soil Alique	ot Volume:

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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16			-	
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	OUCHTATCO MUMITOT	DAIA SHEET				
Lab Name: MITKEM COR	PORATION C	Contract:		SM	W-12MS	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab S	Sample ID:	E083	2-01BMS	
Sample wt/vol:	5.000 (g/mL) ML	Lab I	File ID:	V5G8	291	
Level: (low/med)	LOW	Date	Received:	06/1	9/06	
% Moisture: not dec.		Date	Analyzed:	06/2	9/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	ion Facto	r: 1.	0	
Soil Extract Volume:	(uL)	Soil	Aliquot V	olume	• a	(uL)
CAS NO.	COMPOUND	CONCENTRATI (ug/L or ug	ION UNITS: J/Kg) UG/L		Q	
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 74-87-3\\ 75-01-4\\ 75-00-3\\ 75-09-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-09-2\\ 75-34-3\\ 75-34-3\\ 75-34-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 74-97-5\\ 563-58-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 75-27-4\\ 10061-01-5\end{array}$	Dichlorodifluor Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoro 1,1-Dichloroeth Acetone Iodomethane Carbon Disulfid Methylene Chlor trans-1,2-Dichlor trans-1,2-Dichloroeth Vinyl acetate 2-Butanone cis-1,2-Dichloropro Bromochloromethate 1,1-Dichloropro Bronochloromethate 1,2-Dichloropro Benzene Trichloroethene 1,2-Dichloropro Bromodichloromethate Bromodichloromethate Bromodichloromethate Bromodichloromethate Bromodichloromethate Bromodichloromethate 	methane   methane   ene   ene   ide   oroethene   yl ether   ane   oethene   pane   ane   oethene   pane   opene   opide   ane   opane   pane   opide   pane   opide   opane   opane   opane		49 50 55 55 56 30 32 9 56 4 55 55 55 55 55 55 55 55 55 55 55 55 5		

108-10-1-----4-Methyl-2-pentanone

10061-02-6----trans-1,3-Dichloropropene 79-00-5-----1,1,2-Trichloroethane

108-88-3-----Toluene

OLM03.0

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORI	PORATION Contra		SMW-12MS	
Lab Code: MITKEM (				_1
			J NO ME0052	
Matrix: (soil/water)	WATER	Lab Sample ID	: E0832-01BMS	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8291	
Level: (low/med)	LOW	Date Received	: 06/19/06	
% Moisture: not dec.		Date Analyzed	: 06/29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0	
Soil Extract Volume:	(uL)	Soil Aliquot N	/olume:	_(uL)
CAS NO.	COMPOUND (ug,	CENTRATION UNITS: /L or ug/Kg) UG/I	ç Q	<b></b>
$\begin{array}{c} 142-28-9\\ 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 106-93-4\\ 100-41-4\\ 95-47-6\\ 1330-20-7\\ 100-42-5\\ 75-25-2\\ 98-82-8\\ 75-25-2\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 96-18-4\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-50-1\\ 96-12-8\\ 120-82-1\\ 87-68-3\\ 91-20-2 \end{array}$	1,3-Dichloropropane		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
87-68-3 91-20-3 87-61-6	Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzen	e	47 47 47 47	

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS	DATA SHEET
Lab Name: MITKEM CORPORATION Co	ontract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0832
Matrix: (soil/water) WATER	Lab Sample ID: E0832-01BMSD
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5G8292
Level: (low/med) LOW	Date Received: 06/19/06
% Moisture: not dec.	Date Analyzed: 06/29/06
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
75-71-8Dichlorodifluoro 74-87-3Chloromethane 75-01-4Vinyl Chloride 74-83-9Bromomethane 75-00-3Chloroethane 75-69-4Trichlorofluorom	methane     44       45     49       50     54       54     52

	75-00-3Chloroethane	54
	75-69-4Trichlorofluoromethane	52
	75-35-41,1-Dichloroethene	- 49
	67-64-1Acetone	- 36
	74-88-4Iodomethane	49
	75-15-0Carbon Disulfide	- 48
	75-09-2Methylene Chloride	- 41
	156-60-5trans-1,2-Dichloroethene	-  51
1	1634-04-4Methyl tert-butyl ether	-  53
	75-34-31,1-Dichloroethane	-  50
	108-05-4Vinyl acetate	-  50
	78-93-32-Butanone	- 48
	156-59-2cis-1,2-Dichloroethene	- 48
	590-20-72,2-Dichloropropane	- 48
	74-97-5Bromochloromethane	- 49
	67-66-3Chloroform	- 46
	71-55-61,1,1-Trichloroethane	- 50
	563-58-61,1-Dichloropropene	- 48
	56-23-5Carbon Tetrachloride	- 48
	107-06-21,2-Dichloroethane	- 50
	71-43-2Benzene	- 48
	79-01-6Trichloroethene	- 49
	78-87-51,2-Dichloropropane	50
	74-95-3Dibromomethane	- 50
	75-27-4Bromodichloromethane	- 50
	10061-01-5cis-1.3-Dichloropropene	
	108-10-14-Methyl-2-pentanone	
	108-88-3Toluene	50
	10061-02-6trans-1_3-Dichloropropene	10
	79-00-51.1.2-Trichloroethane	40 E0
		50
-		

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

				SM	W-12MSD	
Lab Name: MITKEM COR	PORATION C	Contract:				
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab Sa	ample ID:	E083	2-01BMSD	)
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	ile ID:	V5G8	292	
Level: (low/med)	LOW	Date F	Received:	06/1	9/06	
% Moisture: not dec.		Date A	Analyzed:	06/2	9/06	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	ion Facto	r: 1.	0	
Soil Extract Volume:	(uL)	Soil A	Aliquot V	olume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/	ON UNITS: /Kg) UG/L		Q	
$\begin{array}{c} 142 - 28 - 9 $		pane ne thane loroethane e loroethane propane benzene benzene e ene zene zene zene zene zene benzene benzene propane		49 63 48 49 48 49 48 49 48 49 48 49 48 49 48 49 48 49 48 49 50 49 50 49 50 49 50 49 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 48 50 50 50 48 50 50 50 48 50 50 50 48 50 50 50 50 50 50 50 50 50 50 50 50 50		

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET SMW-13 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-02B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8266 Level: (low/med) LOW Date Received: 06/19/06 % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: \_\_\_\_\_(uL) Soil Aliquot Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 75-71-8-----Dichlorodifluoromethane 5 U 74-87-3-----Chloromethane 5 U 75-01-4-----Vinyl Chloride 5 U 5 U 5 U 5 U 5 U 5 U 74-83-9----Bromomethane 75-00-3-----Chloroethane 75-69-4-----Trichlorofluoromethane 75-35-4-----1,1-Dichloroethene 67-64-1----Acetone 4 J 74-88-4----Iodomethane 5 U 75-15-0-----Carbon Disulfide 5 0 U U U U

	odizoti Dibuttiu		10
75-09-2	Methylene Chloride	5	ט ו
156-60-5	trans-1,2-Dichloroethene	5	י ט
1634-04-4	Methyl tert-butyl ether	5	י ט
75-34-3	1,1-Dichloroethane	5	Ū
108-05-4	Vinyl acetate	·  · · ·	Π
78-93-3	2-Butanone	·  5	UT .
156-59-2	cis-1,2-Dichloroethene	5	
590-20-7	2,2-Dichloropropane	-   5 5	
74-97-5	Bromochloromethane	5	ITT
67-66-3	Chloroform	5	IT
71-55-6	1,1,1-Trichloroethane	5	1U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	υ
107-06-2	1,2-Dichloroethane	5	TI
71-43-2	Benzene	5	
79-01-6	Trichloroethene	3	L.T
78-87-5	1,2-Dichloropropane	5	TT
74-95-3	Dibromomethane	5	
75-27-4	Bromodichloromethane		
10061-01-5	cis-1.3-Dichloropropene		
108-10-1	4-Methyl-2-pentapope	5	
108-88-3	Toluene		
10061-02-6	trang-1_3-Dichloropropono	5	
79-00-5	1 1 2-Trichloroothano	5	
		5	U
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:			2	SMW-13		
Lab Code: MITKEM (	Case No.:	SAS No.:		SDG	No.:	ME083	32	. 1
Matrix: (soil/water)	WATER	La	ab Sample	e ID:	E083	2-02B		
Sample wt/vol:	5.000 (g/mL) ML	La	ab File ]	D:	V5G8	266		
Level: (low/med)	LOW	Da	ate Recei	lved:	06/1	.9/06		
% Moisture: not dec.		Da	ate Analy	zed:	06/2	9/06		
GC Column: DB-624	ID: 0.25 (mm)	D	ilution H	Factor	: 1.	0		
Soil Extract Volume:	(uL)	Sc	oil Aliqu	iot Vo	lume	:		(uL)
CAS NO.	COMPOUND	CONCENTI (ug/L 01	RATION UN cug/Kg)	NITS: UG/L		Q		
142-28-9	1,3-Dichloropro Tetrachloroethe 2-Hexanone Dibromochlorome 1,2-Dibromoetha Chlorobenzene 1,1,1,2-Tetrach Ethylbenzene m,p-Xylene Xylene Xylene Xylene Styrene Styrene Styrene I,2,2-Tetrach Bromobenzene 1,2,3-Trichloro n-Propylbenzene 2-Chlorotoluene 2,2-Chlorotoluene 1,2,4-Trimethyl sec-Butylbenzene 1,2,4-Trimethyl sec-Butylbenzene 1,2-Dichlorober 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro	opane ene ane hloroethane hloroethane opropane ene benzene izene izene izene hloropropa izene benzene izene benzene izene benzene benzene			5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	000000000000000000000000000000000000000		

#### 1E

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SMW-13

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: ME0832
Matrix: (soil/water) WATER	Lab Samp	le ID: E0832-02B
Sample wt/vol: 5.000 (g/mI	L) ML Lab File	ID: V5G8266
Level: (low/med) LOW	Date Rec	eived: 06/19/06
% Moisture: not dec.	Date Ana	lyzed: 06/29/06
GC Column: DB-624 ID: 0.25	(mm) Dilution	Factor: 1.0
Soil Extract Volume:(uL)	) Soil Ali	quot Volume:(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION Co	ontract:	SMW-14	
Lab Code: MITKEM	Case No.:	SAS No.: SE	G No.: ME0832	1
Matrix: (soil/water)	WATER	Lab Sample II	: E0832-03B	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8267	
Level: (low/med)	LOW	Date Received	: 06/19/06	
% Moisture: not dec.		Date Analyzed	: 06/29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fact	or: 1.0	
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/	: L Q	
75-71-874-87-375-01-474-83-975-00-375-09-475-35-475-15-075-15-075-15-09-275-15-09-275-156-60-575-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-275-09-2	Dichlorodifluoro Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluorom 1,1-Dichloroethe Acetone Iodomethane Carbon Disulfide Methylene Chlori trans-1,2-Dichlo Methyl tert-buty 1,1-Dichloroethau Vinyl acetate 2-Butanone	methane	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	

156-59-2----cis-1,2-Dichloroethene

71-55-6-----1,1,1-Trichloroethane 563-58-6-----1,1-Dichloropropene 56-23-5-----Carbon Tetrachloride 107-06-2-----1,2-Dichloroethane

590-20-7-----2,2-Dichloropropane 74-97-5-----Bromochloromethane

67-66-3----Chloroform

71-43-2----Benzene

108-88-3-----Toluene

79-01-6-----Trichloroethene

74-95-3----Dibromomethane

78-87-5-----1, 2-Dichloropropane

75-27-4-----Bromodichloromethane

108-10-1-----4-Methyl-2-pentanone

79-00-5-----1,1,2-Trichloroethane

10061-01-5----cis-1,3-Dichloropropene

10061-02-6----trans-1, 3-Dichloropropene

OLM03.0

5 U

5 U

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5 U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALISI	5 DATA SHEET			
Lab Name: MITKEM COR	PORATION	Contract:		SMW-14	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: ME08	32
Matrix: (soil/water)	WATER	Lab S	ample ID:	E0832-03B	
Sample wt/vol:	5.000 (g/mL) ML	Lab F	ile ID:	V5G8267	
Level: (low/med)	LOW	Date	Received:	06/19/06	
% Moisture: not dec.		Date .	Analyzed:	06/29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	ion Factor	: 1.0	
Soil Extract Volume:	(uL)	Soil .	Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug	ON UNITS: /Kg) UG/L	Q	
$142-28-9\\127-18-4\\591-78-6\\124-48-1\\106-93-4\\108-90-7\\630-20-6\\100-41-4\\95-47-6\\1330-20-7\\100-42-5\\75-25-2\\98-82-8\\75-25-2\\98-82-8\\79-34-5\\98-86-198-82-8\\108-86-196-18-496-18-496-18-495-49-8108-67-895-63-695-63-695-63-695-63-699-87-6541-73-1106-46-795-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-195-50-1$	1,3-Dichloropro Tetrachloroethe 2-Hexanone Dibromochlorome 1,2-Dibromoetha Chlorobenzene 1,1,1,2-Tetrach Ethylbenzene m,p-Xylene o-Xylene O-Xylene Styrene Styrene Styrene I,2,2-Tetrach Bromobenzene 1,2,3-Trichloro n-Propylbenzene 2-Chlorotoluene 1,2,4-Trimethyl 4-Chlorotoluene 1,2,4-Trimethyl sec-Butylbenzen 1,2-Dichlorober 1,2-Dichlorober 1,2,4-Trichloro 1,2-Dichlorober 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro	opane   ene   ane   benzene   ane   benzene   ane   benzene   benzene   benzene		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

Soil Extract Volume: (uL) Number TICs found: 0

CAS NUMBER

3.\_\_\_\_ 4.\_\_\_\_\_

1. 2.

5. 6. 7.\_ 8.\_\_\_\_ 9.\_\_\_\_ 10.\_\_\_\_ 11.\_\_\_\_ 12.\_\_\_\_ 13.\_\_\_\_ 14.\_\_\_ 15. 16.\_\_\_\_ 17.\_\_\_\_ 18.\_\_\_\_ 19.\_\_\_\_ 20. 21.\_\_\_\_

Date Received: 06/19/06 Date Analyzed: 06/29/06 Dilution Factor: 1.0

CONCENTRATION UNITS:

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

RT

### 1EVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8267 Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm)

EPA SAMPLE NO.

SMW-14

Lab Sample ID: E0832-03B

Soil Aliquot Volume: \_\_\_\_\_(uL)

EST. CONC.

Q
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SMW-16 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-04B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8268 Level: (low/med) LOW Date Received: 06/19/06 % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: \_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 75-71-8-----Dichlorodifluoromethane 5 U 74-87-3-----Chloromethane 5 U 75-01-4-----Vinyl Chloride 5 5 5 U 74-83-9-----Bromomethane U 75-00-3-----Chloroethane U 75-69-4-----Trichlorofluoromethane 5 U 75-35-4-----1,1-Dichloroethene 4 J 5 U 5 U 5 U 67-64-1-----Acetone 74-88-4----Iodomethane 75-15-0-----Carbon Disulfide 75-09-2-----Methylene Chloride 5 U 5 U 2 J 5 U 156-60-5-----trans-1,2-Dichloroethene 1634-04-4-----Methyl tert-butyl ether 75-34-3-----1,1-Dichloroethane 108-05-4-----Vinyl acetate 5 U 78-93-3----2-Butanone 5 U 156-59-2----cis-1,2-Dichloroethene 15 5 U 5 U 5 U 5 U 590-20-7-----2,2-Dichloropropane 74-97-5-----Bromochloromethane 67-66-3----Chloroform 71-55-6-----1,1,1-Trichloroethane 5 5 5 563-58-6-----1,1-Dichloropropene Ū 56-23-5-----Carbon Tetrachloride IJ 107-06-2-----1,2-Dichloroethane 5 U 71-43-2----Benzene 5 U 79-01-6----Trichloroethene 16 78-87-5-----1, 2-Dichloropropane 5 | <del>U</del> 74-95-3-----Dibromomethane 5 U 75-27-4----Bromodichloromethane 5 U 10061-01-5----cis-1,3-Dichloropropene 5 U 108-10-1-----4-Methyl-2-pentanone 5 U 108-88-3-----Toluene 5 U 10061-02-6----trans-1, 3-Dichloropropene 5 U 79-00-5-----1,1,2-Trichloroethane 5 U

FORM I VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSIS	5 DATA SHEET	f	
			s	SMW-16
Lab Name: MITKEM COR	PORATION	Contract:		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.:	ME0832
Matrix: (soil/water)	WATER	Lab Sample	ID: E083	2-04B
Sample wt/vol:	5.000 (g/mL) ML	Lab File I	D: V5G8	268
Level: (low/med)	LOW	Date Recei	ved: 06/1	.9/06
% Moisture: not dec.		Date Analy	zed: 06/2	9/06
GC Column: DB-624	TD: 0.25 (mm)	Dilution F	actor 1	0
Soil Extract Volume.	(III.)	Soil Align	ot Volumo	
Soll Exclact volume.	(00)	SOIT AIIqu		
CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)	ITS: UG/L	Q
142-28-9	1,3-Dichloropro Tetrachloroethe 2-Hexanone Dibromochlorome 1,2-Dibromoetha Chlorobenzene 	opane   ene   ethane   ane   ane	555555555555555555555555555555555555555	U U U U U U U U U U U U U U

# EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract:

SMW-16

Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8268 Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume: \_\_\_\_\_(uL)

Number TICs found: 0

SDG	No.	:	ME0832

Lab Sample ID: E0832-04B

Date Received: 06/19/06

Date Analyzed: 06/29/06

Dilution Factor: 1.0

Soil Aliquot Volume: \_\_\_\_\_(uL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-4

Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.: SDC	HO.: ME0832
Matrix: (soil/water)	WATER	Lab Sample ID:	E0832-10B
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8273
Level: (low/med)	LOW	Date Received:	06/19/06
% Moisture: not dec.		Date Analyzed:	06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot N	/olume:(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/I	Q

# 1A VOLATTLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALIS.	IS DATA SHEET	1.		****	1
Lab Name: MITKEM COR	PORATION	Contract:		£	SMW-4	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab Sa	ample ID:	E0832	2-10B	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	ile ID:	V5G82	273	
Level: (low/med)	LOW	Date H	Received:	06/19	9/06	
% Moisture: not dec.		Date A	Analyzed:	06/29	9/06	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	ion Facto	r: 1.0	)	
Soil Extract Volume:	(uL)	Soil A	Aliquot V	olume:		(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/	ON UNITS: /Kg) UG/L		Q	
142 - 28 - 9	1,3-Dichlorop: Tetrachloroet Dibromochlorom 1,2-Dibromoet Chlorobenzene 	ropane hene methane hane chloroethane chloroethane ) ene chloroethane ropropane ne ylbenzene ne ylbenzene ene ylbenzene ene enzene enzene enzene enzene chloropropane robenzene adiene		ר ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה	000000000000000000000000000000000000000	

Contract:

## EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SMW-4

DIAM

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832

Lab Sample ID: E0832-10B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8273

Date Received: 06/19/06

Date Analyzed: 06/29/06

Dilution Factor: 1.0

Soil Aliquot Volume: \_\_\_\_\_(uL)

Number TICs found: 0

Lab Name: MITKEM CORPORATION

Matrix: (soil/water) WATER

Level: (low/med) LOW

% Moisture: not dec.

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

Soil Extract Volume: \_\_\_\_(uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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2.9				
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OLM03.0

9928

EPA SAMPLE NO.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

SMW-5

Lab Name: MITKEM CORP	ORATION C	ontract:	
Lab Code: MITKEM C	ase No.:	SAS No.: SDO	G No.: ME0832
Matrix: (soil/water)	WATER	Lab Sample ID	E0832-05B
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8269
Level: (low/med)	LOW	Date Received	: 06/19/06
% Moisture: not dec.		Date Analyzed	: 06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:_	(uL)	Soil Aliquot V	/olume:(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/1	c Q

			1
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	3	J
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

SMW-5 Contract: Lab Name: MITKEM CORPORATION SDG No.: ME0832 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: E0832-05B Matrix: (soil/water) WATER 5.000 (g/mL) ML Lab File ID: V5G8269 Sample wt/vol: Date Received: 06/19/06 Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/L Q COMPOUND 5 U 142-28-9-----1, 3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 5 U 591-78-6----2-Hexanone 5 U 124-48-1-----Dibromochloromethane 5 U 106-93-4----1,2-Dibromoethane 5 U 5 U 5 U 5 U 5 U 108-90-7-----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 100-41-4----Ethylbenzene -----m,p-Xylene 95-47-6----o-Xylene 1330-20-7-----Xylene (Total) 100-42-5-----Styrene 75-25-2----Bromoform 98-82-8-----Isopropylbenzene 79-34-5-----1,1,2,2-Tetrachloroethane 108-86-1----Bromobenzene 96-18-4-----1,2,3-Trichloropropane 103-65-1----n-Propylbenzene 95-49-8----2-Chlorotoluene 108-67-8-----1,3,5-Trimethylbenzene 106-43-4----4-Chlorotoluene 5 U 5 U 5 U 98-06-6----tert-Butylbenzene 95-63-6----1,2,4-Trimethylbenzene 135-98-8----sec-Butylbenzene 5 U 99-87-6----4-Isopropyltoluene 5 541-73-1-----1, 3-Dichlorobenzene U 5 106-46-7-----1, 4-Dichlorobenzene\_ U 5 104-51-8----n-Butylbenzene U 5 95-50-1-----1, 2-Dichlorobenzene U 5 U 96-12-8-----1, 2-Dibromo-3-chloropropane 5 120-82-1-----1,2,4-Trichlorobenzene U 5 87-68-3-----Hexachlorobutadiene U 5 U 91-20-3-----Naphthalene 87-61-6-----1,2,3-Trichlorobenzene 5 U

## 1E

EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SMW-5

Lab Name: MITKEM COR	PORATION	Contract:		
Lab Code: MITKEM	Case No.:	SAS No.: SDC	G No.: ME0832	
Matrix: (soil/water)	WATER	Lab Sample ID:	E0832-05B	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8269	
Level: (low/med)	LOW	Date Received:	06/19/06	
% Moisture: not dec.		Date Analyzed:	06/29/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0	
Soil Extract Volume:	(uL)	Soil Aliquot V	/olume:	(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: MITKEM COR	PORATION	Contract:	SMW-6A
Code: MITKEM	Case No.:	SAS No.: SI	OG No.: ME0832
rix: (soil/water)	WATER	Lab Sample II	): E0832-06B
ple wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8270
rel: (low/med)	LOW	Date Received	l: 06/19/06
loisture: not dec.		Date Analyzed	d: 06/29/06
Column: DB-624	ID: 0.25 (mm)	Dilution Fact	cor: 1.0
1 Extract Volume:	(uL)	Soil Aliquot	Volume:
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/	G: /L Q
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 75-01-4\\ 75-00-3\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 74-88-4\\ 74-88-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6\\ 71-55-6$	Dichlorodifluor Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoro 1,1-Dichloroeth Acetone Iodomethane Carbon Disulfic Methylene Chlor trans-1,2-Dichloroeth Vinyl acetate 2-Butanone cis-1,2-Dichloropro Bromochlorometh Chloroform 1,1-Dichloropro Bromochlorometh Chloroform 1,1-Dichloropro Carbon Tetrachl 1,2-Dichloropro Carbon Tetrachl 1,2-Dichloropro Benzene Trichloroethene 1,2-Dichloropro Bromodichloromethane Cis-1,3-Dichloropro Cis-1,3-Dichloropro Cis-1,3-Dichloropro Cis-1,3-Dichloropro 	romethane	5 5 5 5 5 5 5 5 5 5 5 5 5 5

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: MITKEM COR	PORATION	Contract:	SMW-6A	
ab Code: MITKEM	Case No.:	SAS No.: SDC	G No.: ME0832	
atrix: (soil/water)	WATER	Lab Sample ID:	E0832-06B	
ample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8270	
evel: (low/med)	LOW	Date Received:	06/19/06	
Moisture: not dec.		Date Analyzed:	06/29/06	
C Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0	
oil Extract Volume:	(uL)	Soil Aliquot N	Volume:	(
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/I	_ Q	
$\begin{array}{c} 142 - 28 - 9 \\ 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ \\ 100 - 41 - 4 \\ \\ 1330 - 20 - 7 \\ 103 - 6 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 108 - 86 - 1 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 108 - 67 - 8 \\ 108 - 67 - 8 \\ 106 - 43 - 4 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 91 - 20 - 3 \\ 87 - 68 - 3 \\ 87 - 61 - 6 \\ \end{array}$	1,3-Dichloropro Tetrachloroethe Dibromochlorome Dibromochlorome 	opane   ene   ethane   ne   nloroethane   nloroethane   opropane   opropane <	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

CAS NUMBER COMPOUND NAME RTEST. CONC. \_\_\_\_\_\_| \_\_\_\_\_ 1.\_ 2.\_\_\_ з.\_\_ 4.\_\_\_ 5.\_\_\_ 6.\_\_\_\_ 7.\_\_\_\_ 8.\_\_\_\_ 9.\_\_ 10.\_\_\_\_ 11.\_\_\_\_ 12.\_\_\_\_ 13.\_\_\_\_ 14.\_\_\_\_ 15.\_\_\_\_ 16.\_\_\_\_ 17.\_\_ 18. 19. 20.\_\_\_\_ 21.\_\_\_\_

# 1EVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No. Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume:\_\_\_\_\_(uL)

.:	SDG	No.: ME0832	
Lab Sample	ID:	E0832-06B	
Lab File II	):	V5G8270	
Date Receiv	red:	06/19/06	
Date Analyz	zed:	06/29/06	
Dilution Fa	actor	<b>:</b> 1.0	
Soil Alique	ot Vo	olume:	(uL)

Number TICs found: 0

22.\_\_\_\_ 23.\_\_\_\_ 24.\_\_\_\_ 25. 26.\_\_\_\_ 27.

28.\_\_\_

30.

29.\_\_\_\_

CONCENTRATION UNITS:

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

OLM03.0

# SMW-6A

0

EPA SAMPLE NO.

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET SMW-6B Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-07B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8271 Level: (low/med) LOW Date Received: 06/19/06 % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 0 75-71-8-----Dichlorodifluoromethane 5 U 74-87-3-----Chloromethane 5 U 75-01-4-----Vinyl Chloride 5 U 74-83-9----Bromomethane 75-00-3-----Chloroethane 75-69-4-----Trichlorofluoromethane 75-35-4-----1,1-Dichloroethene 67-64-1----Acetone 74-88-4----Iodomethane 75-15-0----Carbon Disulfide 75-09-2-----Methylene Chloride 5 U 5 U 156-60-5-----trans-1,2-Dichloroethene 1634-04-4-----Methyl tert-butyl ether 5 U 5 U 75-34-3-----1,1-Dichloroethane 108-05-4-----Vinyl acetate 78-93-3----2-Butanone 5 U 156-59-2----cis-1,2-Dichloroethene 270 E 590-20-7-----2,2-Dichloropropane 5 U 5 U 74-97-5-----Bromochloromethane 67-66-3-----Chloroform 5 U 71-55-6----1,1,1-Trichloroethane 5 U 5 5 563-58-6-----1,1-Dichloropropene U 56-23-5-----Carbon Tetrachloride U 107-06-2-----1,2-Dichloroethane 5 U 71-43-2----Benzene 5 U

FORM I VOA

79-01-6----Trichloroethene

74-95-3-----Dibromomethane

108-88-3----Toluene

78-87-5-----1, 2-Dichloropropane

75-27-4----Bromodichloromethane

108-10-1-----4-Methyl-2-pentanone

10061-01-5----cis-1,3-Dichloropropene

10061-02-6----trans-1, 3-Dichloropropene

79-00-5-----1,1,2-Trichloroethane

OLM03.0

85

5 U

5 U

5 U

5 U

5 U

5 U

5 0

5 U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET SMW-6B Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-07B Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8271 Level: (low/med) LOW

Date Received: 06/19/06

Date Analyzed: 06/29/06

Dilution Factor: 1.0

Soil Aliquot Volume: \_\_\_\_\_(uL)

CAS NO. COMPOUND

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

Soil Extract Volume: \_\_\_\_\_(uL)

% Moisture: not dec.

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

Q

142-28-91,3-Dichloropropane	5	U
127-18-4Tetrachloroethene	1200	E
591-78-62-Hexanone	5	U
124-48-1Dibromochloromethane	5	U
106-93-41,2-Dibromoethane	5	U.
108-90-7Chlorobenzene	5	U
630-20-61,1,1,2-Tetrachloroethane	5	U
100-41-4Ethylbenzene	5	ט
m,p-Xylene	5	ט
95-47-6o-Xvlene	5	U
1330-20-7Xylene (Total)	5	U
100-42-5Styrene	5	U
75-25-2Bromoform	5	Ū
98-82-8Isopropylbenzene	5	Ū
79-34-51,1,2,2-Tetrachloroethane	5	U
108-86-1Bromobenzene	5	Ū
96-18-41,2,3-Trichloropropane	5	Ū
103-65-1n-Propylbenzene	5	U
95-49-82-Chlorotoluene	5	Ū
108-67-81,3,5-Trimethvlbenzene	5	Ū
106-43-44-Chlorotoluene	5	U
98-06-6tert-Butvlbenzene	5	Ū
95-63-61,2,4-Trimethvlbenzene	5	Ū
135-98-8sec-Butylbenzene	5	Ū
99-87-64-Isopropyltoluene	5	Ū
541-73-11.3-Dichlorobenzene	5	Ū
106-46-71,4-Dichlorobenzene	5	Ū
104-51-8n-Butylbenzene	5	Ū
95-50-11.2-Dichlorobenzene	5	TI U
96-12-81, 2-Dibromo-3-chloropropane	5	IJ
120-82-11 2.4-Trichlorobenzene	5	II I
87-68-3Hexachlorobutadiene	5	τī
91-20-3Naphthalene	5	TT
87-61-61 2 3-Trichlorobenzene	5	TT
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FORM I VOA

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume: (uL)

	CIMUL CD	
Contract:		
SAS No.:	SDG No.: ME0832	
Lab Sample	ID: E0832-07B	
L Lab File II	D: V5G8271	
Date Receiv	ved: 06/19/06	
Date Analy:	zed: 06/29/06	
Dilution Fa	actor: 1.0	
Soil Alique	ot Volume: (ul	L)

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.

SMW-6BDL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: E0832-07BDL Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V5G8298 Level: (low/med) LOW Date Received: 06/19/06 % Moisture: not dec. Date Analyzed: 06/29/06 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0 Soil Extract Volume: \_\_\_\_(uL) Soil Aliquot Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 75-71-8-----Dichlorodifluoromethane 50 U 74-87-3----Chloromethane 50 U 75-01-4-----Vinyl Chloride 50 U 74-83-9----Bromomethane 50 U 75-00-3-----Chloroethane 50 U 75-69-4-----Trichlorofluoromethane 50 U 75-35-4-----1,1-Dichloroethene 50 U 67-64-1----Acetone 50 U 74-88-4----Iodomethane 50 U 75-15-0-----Carbon Disulfide 50 U 75-09-2----Methylene Chloride 50 U 156-60-5-----trans-1,2-Dichloroethene 50 U 1634-04-4-----Methyl tert-butyl ether 50 U 75-34-3-----1,1-Dichloroethane 50 U 108-05-4-----Vinyl acetate 50 U 78-93-3----2-Butanone 50 U 156-59-2----cis-1,2-Dichloroethene 210 D 590-20-7-----2,2-Dichloropropane 50 U 74-97-5-----Bromochloromethane 50 U 67-66-3----Chloroform 50 U 71-55-6-----1,1,1-Trichloroethane 50 U 563-58-6-----1,1-Dichloropropene 50 U 56-23-5-----Carbon Tetrachloride 50 U 107-06-2-----1,2-Dichloroethane\_ 50 U 71-43-2----Benzene 50 U 79-01-6----Trichloroethene 68 D 78-87-5-----1,2-Dichloropropane 50 U 74-95-3----Dibromomethane 50 U 75-27-4-----Bromodichloromethane 50 U 10061-01-5----cis-1, 3-Dichloropropene 50 U 108-10-1-----4-Methyl-2-pentanone 50 U 108-88-3-----Toluene 50 U 10061-02-6----trans-1, 3-Dichloropropene 50 U 79-00-5-----1,1,2-Trichloroethane 50 U

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SMW-6BDL Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: ME0832 Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab Sample ID: E0832-07BDL Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8298 Level: (low/med) LOW Date Received: 06/19/06 Date Analyzed: 06/29/06 % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0 Soil Extract Volume:\_\_\_\_(uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L0 142-28-9-----1, 3-Dichloropropane 50 U 1100 D 127-18-4-----Tetrachloroethene 50 U 591-78-6----2-Hexanone 50 U 124-48-1-----Dibromochloromethane 50 U 106-93-4-----1,2-Dibromoethane 108-90-7----Chlorobenzene 50 U 630-20-6-----1,1,1,2-Tetrachloroethane 50 U 100-41-4----Ethylbenzene 50 U 50 U -----m,p-Xylene 50 U 95-47-6----o-Xylene 50 U 1330-20-7-----Xylene (Total) 50 U 100-42-5----Styrene 50 U 75-25-2----Bromoform 50 U 98-82-8-----Isopropylbenzene 50 U 79-34-5----1,1,2,2-Tetrachloroethane 50 U 108-86-1----Bromobenzene 50 U 96-18-4-----1,2,3-Trichloropropane 103-65-1----n-Propylbenzene 50 U 95-49-8----2-Chlorotoluene 50 U 108-67-8-----1,3,5-Trimethylbenzene 50 U 106-43-4----4-Chlorotoluene 50 U 98-06-6-----tert-Butylbenzene 50 U 95-63-6-----1,2,4-Trimethylbenzene 50 U 135-98-8----sec-Butylbenzene 50 U 50 U 99-87-6----4-Isopropyltoluene 541-73-1----1,3-Dichlorobenzene 50 U 50 U 106-46-7-----1,4-Dichlorobenzene 50 U 104-51-8----n-Butylbenzene 95-50-1-----1, 2-Dichlorobenzene 50 U 96-12-8-----1, 2-Dibromo-3-chloropropane 50 U 120-82-1-----1,2,4-Trichlorobenzene 50 U 87-68-3-----Hexachlorobutadiene 50 U 91-20-3-----Naphthalene 50 U 87-61-6-----1,2,3-Trichlorobenzene 50 U

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# EPA SAMPLE NO.

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SMW-6BDL

Lab Name: MITKEM CORP	PORATION	Contract:	
Lab Code: MITKEM C	Case No.:	SAS No.: SDC	G No.: ME0832
Matrix: (soil/water)	WATER	Lab Sample ID:	E0832-07BDL
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8298
Level: (low/med)	LOW	Date Received:	06/19/06
% Moisture: not dec.		Date Analyzed:	06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 10.0
Soil Extract Volume:_	(uL)	Soil Aliquot V	/olume:(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.

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0832
Matrix: (soil/water) WATER	Lab Sample ID: LCS-24396
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5G8254
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 06/28/06
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

75-71-8Dichlorodifluoromethane	44	
74-87-3Chloromethane	43	
75-01-4Vinyl Chloride	44	
74-83-9Bromomethane	47	
75-00-3Chloroethane	48	
75-69-4Trichlorofluoromethane	47	
75-35-41,1-Dichloroethene	44	
67-64-1Acetone	37	
74-88-4Iodomethane	46	
75-15-0Carbon Disulfide	45	
75-09-2Methylene Chloride	38	
156-60-5trans-1,2-Dichloroethene	35	
1634-04-4Methyl tert-butyl ether	37	
75-34-31,1-Dichloroethane	46	
108-05-4Vinyl acetate	48	
78-93-32-Butanone	46	
156-59-2cis-1,2-Dichloroethene	45	
590-20-72,2-Dichloropropane	46	
74-97-5Bromochloromethane	46	
67-66-3Chloroform	45	
71-55-61,1,1-Trichloroethane	45	
563-58-61,1-Dichloropropene	45	
56-23-5Carbon Tetrachloride	45	
107-06-21,2-Dichloroethane	47	
71-43-2Benzene	46	
79-01-6Trichloroethene	46	
78-87-51,2-Dichloropropane	47	
74-95-3Dibromomethane	47	
75-27-4Bromodichloromethane	47	
10061-01-5cis-1,3-Dichloropropene	46	
108-10-14-Methyl-2-pentanone	46	
108-88-3Toluene	46	
10061-02-6trans-1,3-Dichloropropene	47	
79-00-51,1,2-Trichloroethane	46	

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:		V	5ALCS	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab Sa	ample ID:	LCS-2	24396	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	ile ID:	V5G82	254	
Level: (low/med)	LOW	Date F	Received:			
% Moisture: not dec.		Date A	Analyzed:	06/28	8/06	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	ion Factor	c: 1.(	C	
Soil Extract Volume:	(uL)	Soil A	Aliquot Vo	olume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/	ON UNITS: /Kg) UG/L		Q	
$\begin{array}{c} 142 - 28 - 9 \\ 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 79 - 34 - 5 \\ 79 - 34 - 5 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 103 - 65 - 1 \\ 95 - 49 - 8 \\ 108 - 67 - 8 \\ 95 - 49 - 8 \\ 106 - 43 - 4 \\ 95 - 63 - 6 \\ 106 - 43 - 4 \\ 99 - 87 - 6 \\ 541 - 73 - 1 \\ 106 - 46 - 7 \\ 104 - 51 - 8 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 120 - 82 - 1 \\ 87 - 68 - 3 \\ 87 - 68 - 3 \\ 87 - 61 - 6 \\ \end{array}$	1,3-Dichloropr Tetrachloroeth 2-Hexanone Dibromochlorom 1,2-Dibromoeth Chlorobenzene 	ropane methane methane chloroethane chloroethane ene ropropane ne ropropane ne ropropane ne ropropane ne ropropane ne ropropane ne ropropane ene ropropane ene ropropane ene ropropane ene ropropane ene ropropane ene ropropane ene ropropane ene ene ene ene enzene enzene chloropropane enzene chloropropane enzene chloropropane enzene chloropropane robenzene robenzene		44444444444444444444444444444444444444		

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V5ALCSD

Lab Name: MITKEM CORPORATION C	Contract:	· · ·
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: 1	ME0832
Matrix: (soil/water) WATER	Lab Sample ID: LCSD-	24396
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5G82	55
Level: (low/med) LOW	Date Received:	
% Moisture: not dec.	Date Analyzed: 06/28	/06
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

75-71-8Dichlorodifluoromethane         74-87-3	$\begin{array}{c} 47\\ 49\\ 49\\ 54\\ 54\\ 52\\ 47\\ 39\\ 52\\ 49\\ 45\\ 40\\ 44\\ 53\\ 56\\ 53\\ 52\\ 48\\ 54\\ 51\\ 50\\ 49\\ 50\\ 56\\ 52\\ 51\\ 53\\ 55\\ 54\\ 55\\ 54\\ 57\\ 52\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 54\\ 55\\ 55$	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: MITKEM CORE	PORATION Co	ontract:		V	5ALCSD	
Lab Code: MITKEM C	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab Sa	mple ID:	LCSD	-24396	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	le ID:	V5G8:	255	
Level: (low/med)	LOW	Date R	eceived:			
% Moisture: not dec.		Date A	nalyzed:	06/2	8/06	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	on Facto.	r: 1.0	0	
Soil Extract Volume:_	(uL)	Soil A	liquot V	olume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/	N UNITS: Kg) UG/L		Q	
142-28-9	1,3-Dichloroprop Tetrachloroether 2-Hexanone Dibromochloromet 1,2-Dibromoethar Chlorobenzene 1,1,1,2-Tetrachl Ethylbenzene m,p-Xylene Xylene Xylene Styrene Styrene Styrene I,2,3-Trichlorop Propylbenzene 1,2,4-Trimethylk sec-Butylbenzene 1,2,4-Trimethylk sec-Butylbenzene 1,3-Dichlorobenz 1,2-Dibromo-3-ch 1,2,3-Trichlorok 1,2,3-Trichlorok 1,2,4-Trichlorok 	pane he chane chane coroethane oroethane oropane penzene ene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene cene		$54 \\ 47 \\ 53 \\ 52 \\ 50 \\ 40 \\ 150 \\ 151 \\ 455 \\ 559 \\ 500 \\ 450 \\ 500 \\ 91 \\ 500 \\ 91 \\ 500 \\ 91 \\ 500 \\ 91 \\ 500 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 500 \\ 91 \\ 90 \\ 90 \\ 90 \\ 90 \\ 90 \\ 90 \\ $		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: MITKEM COR	PORATION	Contract:	V5BLCS
Lab Code: MITKEM	Case No.:	SAS No.: SDO	G No.: ME0832
Matrix: (soil/water)	WATER	Lab Sample ID	: LCS-24458
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5G8284
Level: (low/med)	LOW	Date Received	
% Moisture: not dec.		Date Analyzed	: 06/29/06
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot V	/olume:(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/1	L Q

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75-71-8	Dichlorodifluoromethane	50	
74-87-3	Chloromethane	59	
75-01-4	Vinyl Chloride	55	
74-83-9	Bromomethane	61	
75-00-3	Chloroethane	61	
75-69-4	Trichlorofluoromethane	60	
75-35-4	1,1-Dichloroethene	60	
67-64-1	Acetone	42	
74-88-4	Iodomethane	61	
75-15-0	Carbon Disulfide	63	
75-09-2	Methylene Chloride	71	
156-60-5	trans-1,2-Dichloroethene	60	
1634-04-4	Methyl tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	57	
108-05-4	Vinyl acetate	57	
78-93-3	2-Butanone	55	
156-59-2	cis-1,2-Dichloroethene	55	
590-20-7	2,2-Dichloropropane	56	
74-97-5	Bromochloromethane	58	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	57	
563-58-6	1,1-Dichloropropene	55	
56-23-5	Carbon Tetrachloride	57	
107-06-2	1,2-Dichloroethane	59	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	54	
78-87-5	1,2-Dichloropropane	59	
74-95-3	Dibromomethane	60	
75-27-4	Bromodichloromethane	59	
10061-01-5	cis-1,3-Dichloropropene	57	
108-10-1	4-Methyl-2-pentanone	56	
108-88-3	Toluene	58	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	58	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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		ontract.		V5	BLCS	
Lab Name: MITKEM COR	PORATION	Unitract:	۱_			I
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	ME0832	
Matrix: (soil/water)	WATER	Lab Samp	le ID:	LCS-2	4458	
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID:	V5G82	84	
Level: (low/med)	LOW	Date Rece	eived:		*****	
% Moisture: not dec.		Date Ana	lyzed:	06/29	/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution	Factor	c: 1.0	)	
Soil Extract Volume:	(uL)	Soil Alio	quot Vo	olume:		(uL)
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/Kg	UNITS: ) UG/L		Q	
$\begin{array}{c} 142-28-9\\ 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 100-41-4\\ 95-47-6\\ 1330-20-7\\ 100-42-5\\ 100-42-5\\ 75-25-2\\ 98-82-8\\ 79-34-5\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 98-88\\ 95-63-6\\ 95-63-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 99-87-6\\ 87-68-3\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6\\ 87-61-6$	1,3-Dichloropro Tetrachloroethe Dibromochlorome Dibromochlorome 	ppane		$\begin{array}{c} 56\\ 53\\ 55\\ 53\\ 55\\ 54\\ 50\\ 170\\ 525\\ 54\\ 525\\ 54\\ 525\\ 54\\ 525\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 5$		

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

V5BLCSD Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0832 Matrix: (soil/water) WATER Lab Sample ID: LCSD-24458 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5G8285 Level: (low/med) LOW Date Received: % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 06/29/06 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume:\_\_\_\_(uL) CONCENTRATION UNITS:

CAS NO. COMPOUND

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

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75-71-8Dichlorodifluoromethane74-87-3Chloromethane75-01-4Vinyl Chloride74-83-9Bromomethane75-00-3Chloroethane75-69-4Chloroethane75-35-41,1-Dichloroethene67-64-1Acetone74-88-4Carbon Disulfide75-15-0Carbon Disulfide75-09-2Methylene Chloride156-60-5trans-1,2-Dichloroethene1634-04-4Methyl tert-butyl ether75-34-31,1-Dichloroethane108-05-4Vinyl acetate	44 47 48 55 54 51 48 39 50 49 43 52 52 52 50 50	
108-05-4Vinyl acetate	50 50 48 49 50 47 50 47 49 52 49	
79-01-6Trichloroethene         78-87-51,2-Dichloropropane         74-95-3Dibromomethane         75-27-4Bromodichloromethane         10061-01-5Cis-1,3-Dichloropropene         108-10-14-Methyl-2-pentanone         108-88-3Toluene         10061-02-6trans-1,3-Dichloropropene         79-00-51,1,2-Trichloroethane	48 51 50 49 49 50 50 50 49	

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EPA SAMPLE NO.

VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET	
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V5BLCSD

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0832
Matrix: (soil/water) WATER	Lab Sample ID: LCSD-24458
Sample wt/vol: 5.000 (g/mL) MI	Lab File ID: V5G8285
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 06/29/06
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

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142-28-91, 3-Dichloropropane	51	
127-18-4Tetrachloroethene	47	
591-78-62-Hexanone	40	
124-48-1Dibromochloromethane	49	
106-93-41,2-Dibromoethane	48	
108-90-7Chlorobenzene	49	
630-20-61,1,1,2-Tetrachloroethane	48	
100-41-4Ethylbenzene	48	
m,p-Xylene	98	
95-47-6o-Xylene	49	
1330-20-7Xylene (Total)	150	
100-42-5Styrene	49	
75-25-2Bromoform	47	
98-82-8Isopropylbenzene	48	
79-34-51,1,2,2-Tetrachloroethane	50	
108-86-1Bromobenzene	47	
96-18-41,2,3-Trichloropropane	50	
103-65-1n-Propylbenzene	47	
95-49-82-Chlorotoluene	47	
108-67-81,3,5-Trimethylbenzene	49	
106-43-44-Chlorotoluene	49	
98-06-6tert-Butylbenzene	47	
95-63-61.2.4-Trimethylbenzene	49	
135-98-8sec-Butvlbenzene	48	
99-87-64-Tsopropyltoluene	48	
541-73-11.3-Dichlorobenzene	47	
106-46-71.4-Dichlorobenzene	48	
104-51-8n-Butylbenzene	48	
95-50-11 2-Dichlorobenzene	48	
95-50 1 1,2 Dienieroschloropropane	50	
120_02_11 2 4-Trichlorobenzene	44	
07.68-2Heyachlorobutadiene	44	
01 20 2Nanhthalene	45	
oz ci c	45	
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# U.S. EPA - CLP

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	TNODODNITO		EPA SAMPLE NO
	INORGANIC A	NALISIS DATA SHEET	DUP
Lab Name: <u>Mitkem Cor</u>	poration	Contract: <u>152077</u>	
Lab Code: <u>MITKEM</u>	Case No.	SAS No.:	SDG No.: ME0832
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-08
Level (low/med):	MED	Date Received:	06/19/06
<pre>% Solids:</pre>	0.0		

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	278			P
7440-36-0	Antimony	1.7	В		Р
7440-38-2	Arsenic	4.0	В		P
7440-39-3	Barium	53.5	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	1.6	В		Р
7440-70-2	Calcium	13500			Р
7440-47-3	Chromium	910			Р
7440-48-4	Cobalt	18.5	В		Р
7440-50-8	Copper	45.6			Р
7439-89-6	Iron	2410		*	Р
7439-92-1	Lead	3.0	В		Р
7439-95-4	Magnesium	2460			P
7439-96-5	Manganese	592			Р
7440-02-0	Nickel	992			Р
7440-09-7	Potassium	2420			Р
7782-49-2	Selenium	0.98	U		Р
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	49600			Р
7440-28-0	Thallium	2.9	В		Р
7440-62-2	Vanadium	1.7	В		Р
7440-66-6	Zinc	25.0	В		Р
7439-97-6	Mercury	0.065	U		CV

Comments:

# U.S. EPA - CLP

# INORGANIC ANALYSIS DATA SHEET

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# EPA SAMPLE NO

Lab Name: Mitkem Cor	poration	Contract: <u>152077</u>	SMW-12
Lab Code: <u>MITKEM</u>	Case No.	SAS No.:	SDG No.: ME0832
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-01
Level (low/med):	MED	Date Received:	06/19/06
% Solids:	0.0		

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	369			P
7440-36-0	Antimony	1.8	В		Р
7440-38-2	Arsenic	8.2	В		P
7440-39-3	Barium	67.6	В		P
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	2.8	В		P
7440-70-2	Calcium	17000			P
7440-47-3	Chromium	1130			P
7440-48-4	Cobalt	24.3	В		P
7440-50-8	Copper	67.9			P
7439-89-6	Iron	2810		*	Р
7439-92-1	Lead	4.9	В		Р
7439-95-4	Magnesium	3050			Р
7439-96-5	Manganese	746			P
7440-02-0	Nickel	1290			Р
7440-09-7	Potassium	2980			Р
7782-49-2	Selenium	3.1	В		Р
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	62500			Р
7440-28-0	Thallium	5.0	В		Р
7440-62-2	Vanadium	2.1	В		P
7440-66-6	Zinc	35.2	В		Р
7439-97-6	Mercury	0.065	U		CV

Comments:

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1 INORGANIC ANALYSIS DATA SHEET

# EPA SAMPLE NO

		INORG	ANIC ANALYSIS DATA SHEET	0.51 10
Lab Name:	Mitkem Cor	poration	Contract: <u>152077</u>	SMW-13
Lab Code:	MITKEM	Case No.	SAS No.:	SDG No.: ME0832
Matrix (so	oil/water):	WATER	Lab Sample ID:	E0832-02
Level (low	/med):	MED	Date Received:	06/19/06
% Solids:		0.0		

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	38.5	В		Р
7440-36-0	Antimony	6.3	В		Р
7440-38-2	Arsenic	1.7	В		Р
7440-39-3	Barium	55.5	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	3.8	В		Р
7440-70-2	Calcium	18200			P
7440-47-3	Chromium	12.2	В		Р
7440-48-4	Cobalt	1.3	В		Р
7440-50-8	Copper	8.3	В		Р
7439-89-6	Iron	153	В	*	Р
7439-92-1	Lead	2.1	В		Р
7439-95-4	Magnesium	8570			Р
7439-96-5	Manganese	108			P
7440-02-0	Nickel	12.0	В		Р
7440-09-7	Potassium	1310			Р
7782-49-2	Selenium	0.98	U		Р
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	35700			Р
7440-28-0	Thallium	1.7	В		Р
7440-62-2	Vanadium	0.60	В		Р
7440-66-6	Zinc	28.9	В		Р
7439-97-6	Mercury	0.065	U		CV

# Comments:

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# U.S. EPA - CLP

	TNODONITO		EPA SAMPLE NO
Lab Name: Mitkem Cor	poration	Contract: 152077	SMW-14
Lab Code: MITKEM	Case No.	SAS No.:	SDG No.: ME0832
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-03
Level (low/med):	MED	Date Received:	06/19/06
% Solids:	0.0		

Concentration Units (ug/L or mg/kg dry weight):  $\underline{UG/L}$ 

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	139	В		P
7440-36-0	Antimony	2.7	В		Р
7440-38-2	Arsenic	1.6	U		Р
7440-39-3	Barium	48.6	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	1.3	В		Р
7440-70-2	Calcium	7550			Р
7440-47-3	Chromium	49.9			Р
7440-48-4	Cobalt	1.3	В		Р
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	449		*	P
7439-92-1	Lead	1.7	В		Р
7439-95-4	Magnesium	3540			Р
7439-96-5	Manganese	25.6	В		Р
7440-02-0	Nickel	24.3	В		Р
7440-09-7	Potassium	1550			Р
7782-49-2	Selenium	1.4	В		Р
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	60500			Р
7440-28-0	Thallium	1.3	В		Р
7440-62-2	Vanadium	0.47	U		Р
7440-66-6	Zinc	22.2	В		P
7439-97-6	Mercury	0.065	U		CV

Comments:

# U.S. EPA - CLP

# EPA SAMPLE NO

# 1 INORGANIC ANALYSIS DATA SHEET

	INORGANIC	ANALYSIS DATA SHEET	
Lab Name: Mitkem Cor	poration	Contract: 152077	SMW-16
			SDG No. : ME0832
Lab Code: <u>MITKEM</u>	case No.	SA5 NO	500 NO <u>1110002</u>
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-04
Level (low/med):	MED	Date Received:	06/19/06
% Solids:	0.0		

Concentration Units (ug/L or mg/kg dry weight):  $\underline{UG/L}$ 

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	534			Р
7440-36-0	Antimony	1.2	U		Р
7440-38-2	Arsenic	7.0	В		Р
7440-39-3	Barium	13.6	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	0.71	В		P
7440-70-2	Calcium	9750			Р
7440-47-3	Chromium	1660		· · · · ·	P
7440-48-4	Cobalt	4.0	В		Р
7440-50-8	Copper	8.6	В		Р
7439-89-6	Iron	7270		*	Р
7439-92-1	Lead	2.8	В		Р
7439-95-4	Magnesium	4790			Р
7439-96-5	Manganese	51.8			Р
7440-02-0	Nickel	125			Р
7440-09-7	Potassium	1040			Р
7782-49-2	Selenium	2.2	В		P
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	24500			P
7440-28-0	Thallium	1.2	U		Р
7440-62-2	Vanadium	6.4	В	<u> </u>	P
7440-66-6	Zinc	25.9	В		P
7439-97-6	Mercury	0.065	U	L	CV

Comments:

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# EPA SAMPLE NO

1 INORGANIC ANALYSIS DATA SHEET

# Lab Name: Mitkem Corporation Contract: 152077 Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0832 Matrix (soil/water): WATER Level (low/med): MED Date Received: 06/19/06 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

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CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	82.5	В		Р
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	2.2	В		Р
7440-39-3	Barium	16.7	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	0.73	В		Р
7440-70-2	Calcium	13600			Р
7440-47-3	Chromium	534			Р
7440-48-4	Cobalt	1.6	В		Р
7440-50-8	Copper	33.6			Р
7439-89-6	Iron	1710		*	Р
7439-92-1	Lead	1.6	В		Р
7439-95-4	Magnesium	3310			Р
7439-96-5	Manganese	181			Р
7440-02-0	Nickel	240			Р
7440-09-7	Potassium	2710			Р
7782-49-2	Selenium	0.98	U		Р
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	13400			Р
7440-28-0	Thallium	1.2	U		Р
7440-62-2	Vanadium	1.4	В		Р
7440-66-6	Zinc	17.7	В		Р
7439-97-6	Mercury	0.065	U		CV

# Comments:

# U.S. EPA - CLP

# EPA SAMPLE NO

1 INORGANIC ANALYSIS DATA SHEET

# SMM-5

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Ish Name: Mitkem Cor	poration	Contract: 152077	2WM-2
Lab Code: MITKEM	Case No.	SAS No.:	SDG No.: ME0832
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-05
Level (low/med):	MED	Date Received:	· <u>06/19/06</u>
% Solids:	0.0		

Concentration Units (ug/L or mg/kg dry weight):  $\underline{\text{UG/L}}$ 

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	391			Р
7440-36-0	Antimony	1.2	U		Р
7440-38-2	Arsenic	1.7	В		Р
7440-39-3	Barium	17.9	В		Р
7440-41-7	Beryllium	0.15	U		Р
7440-43-9	Cadmium	2.4	В		Р
7440-70-2	Calcium	20700			Р
7440-47-3	Chromium	80.5			Р
7440-48-4	Cobalt	1.3	В		Р
7440-50-8	Copper	6.8	В		Р
7439-89-6	Iron	934		*	Р
7439-92-1	Lead	3.6	В		Р
7439-95-4	Magnesium	3420			Р
7439-96-5	Manganese	209			Р
7440-02-0	Nickel	39.1	В		P
7440-09-7	Potassium	2490			Р
7782-49-2	Selenium	0.98	U		Р
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	13400			Р
7440-28-0	Thallium	1.4	В		Р
7440-62-2	Vanadium	0.89	В		Р
7440-66-6	Zinc	29.2	В		Р
7439-97-6	Mercury	0.065	U		CV

Comments:

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EPA SAMPLE NO

INORGANIC	ANALYSIS	DATA	SHEET
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# SMW-6A

Lab Name: Mitkem Com	poration	Contract: <u>152077</u>	
Lab Code: <u>MITKEM</u>	Case No.	SAS No.:	SDG No.: ME0832
Matrix (soil/water):	WATER	Lab Sample ID:	E0832-06
Level (low/med):	MED	Date Received:	06/19/06
<pre>% Solids:</pre>	0.0		

Concentration Units (ug/L or mg/kg dry weight):  $\underline{\text{UG/L}}$ 

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CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	527			Р
7440-36-0	Antimony	1.2	U		Р
7440-38-2	Arsenic	3.5	В		Р
7440-39-3	Barium	72.2	В		Р
7440-41-7	Beryllium	0.15	υ		Р
7440-43-9	Cadmium	1.5	В		Р
7440-70-2	Calcium	33800			Ρ
7440-47-3	Chromium	607			Р
7440-48-4	Cobalt	11.3	В		Р
7440-50-8	Copper	16.0	В		Р
7439-89-6	Iron	3780		*	Р
7439-92-1	Lead	4.1	В		Р
7439-95-4	Magnesium	5070			Р
7439-96-5	Manganese	7140			Р
7440-02-0	Nickel	160			Р
7440-09-7	Potassium	2390			P
7782-49-2	Selenium	1.7	В		P
7440-22-4	Silver	0.91	U		Р
7440-23-5	Sodium	59600			P
7440-28-0	Thallium	32.3			P
7440-62-2	Vanadium	2.6	В		P
7440-66-6	Zinc	45.6	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

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EPA SAMPLE NO

1 INORGANIC ANALYSIS DATA SHEET

SMW-6B

Lab Name:Mitkem CorporationContract:152077Lab Code:MITKEMCase No.SAS No.:SDG No.:Matrix (soil/water):WATERLab Sample ID:E0832-07Level (low/med):MEDDate Received:06/19/06% Solids:0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	2000			Р
7440-36-0	Antimony	2.7	В		Р
7440-38-2	Arsenic	1.6	U		Р
7440-39-3	Barium	19.3	В		Р
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.75	В		P
7440-70-2	Calcium	19600			Р
7440-47-3	Chromium	62.2			Р
7440-48-4	Cobalt	2.2	В		Р
7440-50-8	Copper	17.5	В		Р
7439-89-6	Iron	1950		*	Р
7439-92-1	Lead	2.8	В		Р
7439-95-4	Magnesium	3430			P
7439-96-5	Manganese	81.6			P
7440-02-0	Nickel	46.1	В		Р
7440-09-7	Potassium	2210			Р
7782-49-2	Selenium	0.98	U		Р
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	17800	L		P
7440-28-0	Thallium	1.2	υ		P
7440-62-2	Vanadium	1.1	В		P
7440-66-6	Zinc	53.6			P
7439-97-6	Mercury	0.065	U	<u> </u>	CV
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Comments: