FINAL

GROUNDWATER SAMPLING REPORT
(November 2008 Sampling Event)

Multi Site G
Operation, Maintenance & Monitoring

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

Work Assignment No.
D004445-14.2A

Prepared for:

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New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

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Prepared by:

AECOM Technical Services Northeast, Inc.
300 Broadacres Drive
Bloomfield, New Jersey

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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. AECOM Technical Services Northeast, Inc. (AECOM [formerly Earth Tech Northeast, Inc.]) was tasked with collecting four rounds of samples (once every five quarters) from selected monitoring wells as part of a long term monitoring plan. AECOM is performing this work under the New York State Department of Environmental Conservation (NYSDEC) Superfund Standby Contract Work Assignment No. D004445-14.2A. This report presents the results from third round of groundwater sampling conducted in November 2008. The first round of samples was collected in June 2006. A abbreviated round of groundwater sampling was conducted in April 2007 to confirm the concentration of tetrachloroethene (PCE) detected in monitoring well MW-6A; samples were collected from monitoring wells MW-4, MW-5, MW-6A and MW-6B. The second full round of samples was collected in August 2007. The third full round of samples were collected in November 2008.

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 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 including MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A, MW-6B, MW-9, MW-11, MW-12, MW-13, MW-14, MW-16, MW-23S and MW-23D (see Figure 2). Monitoring wells, MW-2, MW-3A and MW-9 could not be located during the first two sampling events (June 2006 and August 2007). MW-2 and MW-3A were located during the most recent sampling event; however, MW-9 remains missing.

3.0 FIELD ACTIVITIES

The third sampling event occurred on November 11 through 14, 2008. Sampling was conducted in accordance with the Sampling and Analysis Plan (SAP) prepared by AECOM, dated June 2007 (as part of Amendment 14.1). 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 personnel protection.

3.1 Water Level Survey

Prior to the start of the November 2008 groundwater sampling event, water table measurements were collected from the 14 monitoring wells included in the sampling event. Once a well was identified, its location was photo-documented and measured from fixed points. A summary of well data is included on Table 1.

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 2. A groundwater contour map was prepared for the November 2008 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 November 2008 Groundwater Sampling Event

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. Monitoring well MW-9 could not be located in the field and is presumed destroyed. During the previous two sampling events, monitoring wells MW-2 and MW-3A could not be located and were not sampled. During the November 2008 sampling event, the field crew was able to locate these two wells for inclusion in the sampling effort. Each location was photo-documented and a hand-held GPS unit was used to record the coordinates. During the August 2007 sampling event MW-11 (round 2) could not be sampled due to an obstruction in the well. An obstruction was still present during the November 2008 event but the field crew was able to collect a sample.

A Grundfos electric submersible pump with 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. A NYSDEC Monitoring Well Field Inspection Log was also completed for each well sampled and is included in Appendix B. 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 FedEx. 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 (TAL) metals by SW-846 Method 6010B and Method 7470A 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 AECOM chemist provided a cursory review of the data packages for completeness. The laboratory Data Summary Packages are in Appendix C. Of the 15 wells selected for sampling, 14 were sampled as noted in Section 2.0.

4.1 Laboratory Data Issues

Two issues were noted with the data from the November 2008 sampling event. Upon review of the data, it appears that the sample results for monitoring well cluster MW-6A and MW-6B had been switched. Historically, MW-6A, the deep monitoring well (screened from 72 to 82 feet below ground surface [ft bgs]), has not had an exceedance of PCE since March 1990 (100 µg/L), with only trace hits (less than the Class GA criterion of 5 µg/L) in January 1998 and January 1999. PCE was not detected in the four sampling events (since July 2000). The shallow monitoring well MW-6B (screened 21 to 31 ft bgs) has historically been one of the most contaminated wells at the Site. The last three sampling events, June 2006, April 2007 and August 2007 reported PCE concentrations of 1,100 µg/L, 650 µg/L and 480 µg/L. The results from the November 2008 sampling event reported the PCE concentration at MW-6A as 470 µg/L and MW-6B as not detected. The field notes were reviewed to determine if the sampling crew had inadvertently mislabeled the samples during collection. There was no indication of mislabeling found. Consequently, Mitkem was contacted to determine if the samples were switched at the lab. The

lab could not find any indication that the samples were switched. There was a remaining unopened VOC vial from sample MW-6A (the vials from MW-06B were used during analysis). Mitkem was directed to analyze the remaining vial. The results came back as not detected. Therefore, only two possible explanations remain: that aquifer conditions have changed and MW-6A is now contaminated or that the sample vials were mislabeled at some point during collection and processing. Despite the lack of evidence that the samples were mislabeled, it is AECOM's contention that the most logical explanation is the samples were somehow switched and that aquifer conditions are the same as they have been historically since 1990. In all the text sections, tables and figures, these two samples (MW-6A, Lab ID G2115-12 and MW-6B, Lab ID G2115-10) have been switched to fit the historic trend.

Another issue noted during review of the data is the presence of acetone, 2-butanone and toluene in the November 2008 sample collected at MW-5. The concentration of 2-butanone is less than the Class GA criterion and is therefore not a groundwater issue. Acetone was present at a concentration of 170 µg/L (Class GA criterion of 50 µg/L). Toluene was present at a concentration of 1,200 µg/L (Class GA criterion of 5 µg/L). A review of the laboratory data report confirmed that peaks appear valid and these compounds are present in the sample. After discussions with NYSDEC, it was decided that these compounds might represent laboratory or possibly field contamination and are not representative of actual groundwater conditions. This well will be monitored during the next sampling round to determine if groundwater conditions have changed.

A summary of the detections is presented in Table 3. A summary of the exceedances is presented on Figure 4. The sampling results are described below.

4.2 Volatile Organic Compounds

VOCs were not detected in monitoring wells MW-3A, MW-3B, MW-4, and MW-6A during any of the three sampling events conducted at the ServAll Site.

Benzene was detected above the Class GA criterion of 1 µg/L in monitoring well MW-2 at an estimated concentration of 1.7 µg/L during the November 208 sampling event. Toluene was also detected at an estimated concentration of 1.4 µg/L (Class GA criterion of 5 µg/L). This well was not sampled during the two previous rounds (June 2006 and August 2007).

Two VOCs were detected above the Class GA criterion in MW-5 during the November 2008 sampling event: acetone was detected at a concentration of 170 µg/L (Class GA criterion of 50 µg/L) and toluene was detected at a concentration of 1,200 µg/L (Class GA criterion of 5µg/L). VOCs were not detected above the Class GA criterion during any of the three previous sampling events at monitoring well MW-5. Estimated concentrations of cis-1,2-dichloroethene (3 µg/L and 2 µg/L) were noted during the June 2006 and April 2007 sampling events; cis-1,2-dichloroethene was not detected during the August 2007 or November 2008 sampling events. Tetrachloroethene (PCE) was detected at an estimated concentration of 2 µg/L only during the August 2007 sampling event (Class GA criterion of 5 µg/L).

Three VOCs were detected in monitoring well MW-6B above the Class GA criteria. Cis-1,2-dichloroethene was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 210 µg/L, 120 µg/L, 130 µg/L and 140 µg/L. Trichloroethene (TCE) was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 85 µg/L, 27 g/L, 26 µg/L and 30 µg/L. PCE was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 1,100 µg/L, 650 µg/L, 480 µg/L and 470 µg/L.

PCE was detected at a concentration of 56 µg/L in monitoring well MW-11 above its Class GA criterion of 5 µg/L during the June 2006 sampling event. An obstruction in MW-11 prevented the collection of a

groundwater sample during the August 2007 sampling event. During the November 2008 sampling event, PCE was detected at a concentration of 60 µg/L. Toluene was also detected at a concentration of 63 µg/L (Class GA criterion of 5 µg/L). Estimated concentrations of chlorobenzene and methyl tert butyl ether were also detected at concentrations below the Class GA criteria.

Two VOCs were detected above the Class GA criterion in monitoring well MW-12. PCE (Class GA criterion of 5 µg/L) was detected at concentration of 17 µg/L during both the June 2006 and August 2007 sampling events and at 60 µg/L during the November 2008 sampling event. 1,2-Dichlorobenzene was detected at a concentration of 9 µg/L (Class GA criterion of 4.7 µg/L) during the June 2006 sampling event only.

At MW-13, PCE had been detected at a concentration of 5 µg/L, which is the same value as the Class GA criterion, during the June 2006 sampling event. VOCs were not detected in monitoring well MW-13 above the Class GA criteria during the August 2007 or November 2008 sampling events.

VOCs were not detected in monitoring well MW-14 during the June 2006 and November 2008 sampling events. PCE was detected at an estimated concentration of 2 µg/L during the August 2007 sampling event.

Four VOCs were detected in monitoring well MW-16 above the Class GA criteria during the June 2006 sampling event: cis-1,2-dichloroethene at a concentration of 15 µg/L (Class GA criterion of 5 µg/L); 1,1,1-trichloroethane at a concentration of 5 µg/L (Class GA criterion of 5 µg/L); TCE at a concentration of 16 µg/L (Class GA criterion of 5 µg/L); and PCE at a concentration of 25 µg/L (Class GA criterion of 5 µg/L). During the August 2007 sampling event, PCE was detected at an estimated concentration of 2 µg/L; no other VOCs were reported. During the November 2008 sampling event PCE was detected at a concentration of 6.9 µg/L. Estimated concentrations of cis-1,2-dichloroethene (2.1 µg/L) and TCE (1.1 µg/L) were detected below their Class GA criteria.

Three VOCs were detected in monitoring well MW-23S above the Class GA criteria. Cis-1,2-dichloroethene was detected above the Class GA criterion of 5 µg/L during all three sampling events at concentrations of 360 µg/L, 180 µg/L and 45 µg/L. TCE was detected above the Class GA criterion of 5µg/L during all three sampling events at concentrations of 220 µg/L, 99 µg/L and 18 µg/L. PCE was detected above the Class GA criterion of 5 µg/L during all three sampling events at concentrations of 5,200 µg/L, 1,700 µg/L and 500 µg/L.

One VOC, PCE (Class GA criterion of 5 µg/L), was detected in monitoring well MW-23D in all three sampling events. PCE was detected below the criterion at an estimated concentration of 4 µg/L during the June 2006 sampling event. The PCE concentration exceeded the criterion during both the August 2007 and November 2008 sampling events at concentrations of 6 µg/L and 7.7 µg/L.

4.3 TAL Metals

Five metals were detected above the groundwater criteria during the November 2008 sampling event at monitoring well MW-2. Cadmium was detected at a concentration of 8.8 µg/L (Class GA criterion of 5 µg/L). Chromium was detected at a concentration of 113 µg/L (Class GA criterion of 50 µg/L). Iron was detected at a concentration of 3,120 (Class GA criterion of 300 µg/L). Manganese was detected at a concentration of 396 (Class GA criterion of 300 µg/L). Nickel was detected at a concentration of 1,390 (Class GA criterion of 100 µg/L).

Four metals were detected above their criterion in monitoring well MW-3A during the November 2008 sampling event. Antimony was detected at a concentration of 5.1 µg/L (Class GA criterion of 3 µg/L)

during the November 2008 sampling event but was not detected during the June 2006 and August 2007 sampling events. Cadmium was detected at a concentration of 5.9 µg/L (Class GA criterion of 5 µg/L) but was not detected in either the June 2007 or August 2007 sampling events. Chromium was detected above its Class GA criterion of 50 µg/L during the June 2006 and August 2007 sampling events at concentrations of 55.8 µg/L and 92.9 µg/L, but was below the criterion during the November 2008 sampling event at 36.3 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 1,070 µg/L, 911 µg/L and 3,040 µg/L. Manganese was detected at a concentration of 1,840 during the November 2008 sampling event which exceeded the Class GA criterion of 300 µg/L, but was below the criterion during the June 2006 and August 2007 sampling events. During the June 2006 sampling event, sodium had been detected above the Class GA criterion of 20,000 µg/L at a concentration of 129,000 µg/L; however, sodium was detected below the criterion during the August 2007 and November 2008 sampling events.

Four metals were detected above their groundwater criterion during the November 2008 sampling event at monitoring well MW-3B. Chromium was detected at a concentration of 624 µg/L (Class GA criterion of 50 µg/L). Iron was detected at a concentration of 4,610 (Class GA criterion of 300 µg/L). Manganese was detected at a concentration of 447 (Class GA criterion of 300 µg/L). Nickel was detected at a concentration of 540 (Class GA criterion of 100 µg/L).

Six metals were detected above their criteria during the November 2008 sampling event. Antimony had previously been detected at MW-4 during the April 2007 confirmation sampling at a concentration of 9.4 µg/L which exceeded the Class GA criterion of 3 µg/L; antimony was not detected during the other sampling events. Six metals were detected above their criterion in the April 2007 event and five metals were detected above their criterion in August 2007 at monitoring well MW-4. Cadmium was detected during the November 2008 sampling event at a concentration of 6.1 µg/L which exceeded the Class GA criterion of 5 µg/L; cadmium concentrations did not exceed the criterion during the previous three sampling events at MW-4. Chromium was detected above the Class GA criterion of 50 µg/L during each of the four sampling events at concentrations of 534 µg/L, 337 µg/L, 382 µg/L and 321 µg/L. Iron was detected above its criterion of 300 µg/L during all four sampling events: 1,710 µg/L, 1,970 µg/L, 2,970 µg/L and 3,280 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L in the April and August 2007, and November 2008 sampling events at concentrations of 1,280 µg/L, 1,240 µg/L and 1,390 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during all four sampling events at concentrations of 240 µg/L, 565 µg/L, 702 µg/L and 1,860 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during the April and August 2007 and November 2008 sampling events at concentrations of 33,800 µg/L, 39,300 µg/L and 39,000 µg/L.

Six metals (chromium, iron, manganese, nickel, sodium and thallium) were detected at concentrations exceeding the Class GA groundwater criteria during the four sampling events in monitoring well MW-5. Chromium was detected above the Class GA criterion of 50 µg/L during all four sampling events at concentrations of 80.5 µg/L, 79.8 µg/L, 1,370 µg/L and 116 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 934 µg/L, 483 µg/L, 7,140 µg/L and 49,400 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L only during the August 2007 and November 2008 sampling events at concentrations of 3,550 µg/L and 1,830 µg/L, respectively. Nickel was detected above the Class GA criterion of 100 µg/L during two of four sampling events, April and August 2007, at concentrations of 127 µg/L and 135 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during the August 2007 and November 2008 sampling events at concentrations of 43,300 µg/L and 59,200 µg/L. Thallium was detected at an estimated concentration of 1.4 µg/L exceeding the Class GA criterion of 0.5 µg/L only during the during the June 2006 sampling event.

Seven metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-6A. Antimony was detected above the Class GA criterion of 3 µg/L during the April 2007 sampling event at a concentration of 37.1 µg/L. Chromium was detected above the Class GA criterion of 50 µg/L during all four sampling events at concentrations of 607 µg/L, 1,280 µg/L, 639 µg/L and 88.8 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 3,780 µg/L, 6,330 µg/L, 4,410 µg/L and 4,200 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 7,140 µg/L, 3,890 µg/L, 6,410 µg/L and 3,250 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during all four sampling events at concentrations of 160 µg/L, 273 µg/L, 1,130 µg/L and 196 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during three sampling events at concentrations of 59,600 µg/L, 39,600 µg/L and 31,600 µg/L; sodium was below the criterion during the November 2008 sampling event. Thallium was detected above its Class GA criterion of 0.5 µg/L only during the June 2006 sampling event at a concentration of 32.3 µg/L.

Five metals were detected above the Class GA criteria at monitoring well MW-6B. Antimony was detected at a concentration of 7.9 µg/L during the April 2007 sampling event which exceeds the Class GA criterion of 3 µg/L; however, antimony was not detected during any of the other three sampling events. Chromium was detected above the Class GA criterion of 50 µg/L during first three sampling events at concentrations of 62.2 µg/L, 133 µg/L and 143 µg/L; the concentration during the November 2008 sampling event was 46.6 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 1,950 µg/L, 5,500 µg/L, 9,130 µg/L and 5,950 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during the April and August 2007 and November 2008 sampling events at concentrations of 344 µg/L and 429 µg/L and 540 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during the April and August 2007 sampling events at concentrations of 28,200 µg/L and 25,900 µg/L.

Three metals were detected above their Class GA criteria at MW-11. No sample was collected at monitoring well MW-11 during the August 2007 sampling event due to an obstruction in the well. During the June 2006 sampling event, chromium was detected at a concentration of 50.1 µg/L which exceeded the Class GA criterion of 50 µg/L but was less than the criterion during the November 2008 sampling event. Iron exceeded the Class GA criterion of 300 µg/L during the June 2006 and November 2008 sampling events at concentrations of 1,510 µg/L and 1,440 µg/L. During the June 2006 sampling event, sodium was detected at a concentration of 23,700 µg/L which exceeded the Class GA criterion of 20,000 µg/L.

Seven metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-12. Antimony was detected above the Class GA criterion of 3 µg/L during the November 2008 sampling event at a concentration of 6.2 µg/L. Chromium was detected above the Class GA criterion of 50 µg/L during all three sampling events at concentrations of 1,130 µg/L, 1,730 µg/L and 1,170 µg/L. Iron was detected above the Class GA criterion of 300 during all three sampling events at concentrations of 2,810 µg/L, 7,040 µg/L and 4,720 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 746 µg/L, 512 µg/L and 600 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during all three sampling events at concentrations of 1,290 µg/L, 130 µg/L and 519 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during all three sampling events at concentrations of 62,500 µg/L, 42,000 µg/L and 40,100 µg/L. Thallium (Class GA criterion of 0.5 µg/L) was detected at a concentration of 5 µg/L during the June 2006 sampling event only.

Seven 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 µg/L (Class GA criterion of 3 µg/L) during the June 2006 sampling event only. Cadmium was detected during all three sampling events and

exceeded the Class GA criterion of 5 µg/L only during the August 2007 sampling event at a concentration of 48.1 µg/L. Chromium was detected at a concentration of 263 µg/L during the August 2007 sampling event which is above the Class GA criterion of 50 µg/L but was below the criterion during the other two sampling events. Iron was detected below the Class GA criterion of 300 µg/L during the June 2006 sampling event but exceeded the criterion during both the August 2007 sampling event (1,470 µg/L) and the November 2008 sampling event (1,140 µg/L). Manganese was detected below the Class GA criterion of 300 µg/L during the first and second sampling events but exceeded the criterion during the November 2008 sampling event (343 µg/L). Sodium was detected above the Class GA criterion of 20,000 µg/L during all three sampling events at concentrations of 35,700 µg/L, 41,000 µg/L and 34,300 µg/L. Thallium was detected at an estimated concentration of 1.7 µg/L during the June 2006 sampling event only which exceeded the Class GA criterion of 0.5 µg/L.

Four metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-14. Chromium was detected above the Class GA criterion of 50 µg/L during the August 2007 and November 2008 sampling events at concentrations of 100 µg/L and 59.6 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 449 µg/L, 1,170 µg/L and 821 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during all three sampling events at concentrations of 60,500 µg/L, 31,700 µg/L and 70,400 µg/L. Thallium was detected above the Class GA criterion of 0.5 µg/L during the June 2006 and August 2007 sampling events at concentrations of 1.3 µg/L and 2.8 µg/L.

Four metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-16. Chromium was detected above the Class GA criterion of 50 µg/L during all three sampling events at concentrations of 1,660 µg/L, 666 µg/L and 184 µg/L. Iron as detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 7,270 µg/L, 5,520 µg/L and 2,440 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during the June 2006 and August 2007 sampling events at concentrations of 125 µg/L and 110 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during the June 2006 and November 2008 sampling events at concentrations of 24,500 µg/L and 33,600 µg/L.

Six metals were detected at concentrations exceeding the Class GA groundwater criteria in monitoring well MW-23S. Antimony was detected at a concentration 7.5 µg/L during the August 2007 sampling event which exceeds the Class GA criterion of 3 µg/L but was not detected during the June 2006 or November 2008 sampling events. Iron was detected below the Class GA criterion of 300 µg/L during the first two sampling events but exceeded the criterion during the November 2008 sampling event at concentration of 544 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during all three sampling events at concentrations of 1,570 µg/L, 1,370 µg/L and 1,230 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during all three sampling events at concentrations of 28,700 µg/L, 35,200 µg/L and 25,500 µg/L. Thallium was detected at a concentration of 7.8 µg/L during the June 2006 sampling event which exceeded the Class GA criterion of 0.5 µg/L, but thallium was not detected during the August 2007 or November 2008 sampling events.

Three metals were detected at concentrations exceeding the Class GA groundwater criteria at monitoring well MW-23D. Antimony was detected below the Class GA criterion of 3 µg/L during the June 2006 sampling event, exceeded the criterion during the August 2007 sampling event (4.7 µg/L) and was not detected during the November 2008 sampling event. Iron was detected above the Class GA criterion of 300 µg/L during the June 2006 and August 2007 sampling events at concentrations of 3,800 µg/L and 563 µg/L but was below the criterion during the November 2008 sampling event. Thallium was detected during the June 2006 sampling event at a concentration of 1.3 µg/L which exceeded the Class GA criterion of 0.5 µg/L but was not detected during the August 2007 or November 2008 sampling events.

5.0 SUMMARY AND RECOMMENDATIONS FOR FUTURE SITE REMEDIATION ACTIVITIES

5.1 Summary of VOCs

No VOCs were detected in monitoring wells MW-3A, MW-3B, MW-4 and MW-6A. All target VOCs were detected below their NYSDEC Class GA Groundwater Criterion in monitoring wells MW-5 (excluding the acetone and toluene as discussed in section 4.1) and MW-14. VOCs were detected at concentrations slightly above the Class GA criteria in monitoring well MW-13 during the June 2006 sampling event, but have not exceeded the criterion for the last two sampling events. VOCs concentrations at monitoring wells MW-16 and MW-23D during two of the sampling events but were below the criterion during the other sampling event. MW-2 was sampled for the first time during November 2008 and a slight exceedance of benzene was noted.

Five VOCs were detected at concentrations above their Class GA criteria in monitoring wells MW-6B, MW-11, MW-12, and MW-23S. These exceedances included cis-1,2 dichloroethene, 1,1,1-trichloroethane, TCE, PCE and 1,2 dichlorobenzene during the June 2006, August 2007 and November 2008 sampling events.

Concentrations of cis-1,2 dichloroethene (Class GA criterion of 5 µg/L) were highest in monitoring wells MW-6B and MW-23S. 1,1,1-Trichloroethane (Class GA criterion of 5 µg/L) was detected at a concentration of 5 µg/L in monitoring well MW-16 during the June 2006 sampling event only. Concentrations of TCE (Class GA criterion 5 µg/L) and PCE (Class GA criterion 5 µg/L) were highest in monitoring wells MW-6B and MW-23S. 1,2-Dichlorobenzene (Class GA criterion 5 µg/L) was detected in monitoring well MW-12 at a concentration of 9 µg/L during the June 2006 sampling event only.

A summary of historic PCE concentration data for selected monitoring wells is shown on Table 4. 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-6B and MW-23S during recent the June 2006 event but appear to be decreasing through the two subsequent sampling events. At MW-6B, PCE concentrations had decreased through the 1990s to a low of 22 µg/L by January 1999. There was an increase noted in July 2000 to 160 µg/L followed by an order of magnitude increase in the June 2006 sampling event to 1,100 µg/L followed by a significant drop to 480 µg/L by August 2007. The concentration remained constant through the November 2008 sampling event.

PCE concentrations have also significantly increased in monitoring well MW-23S. Historically, PCE concentrations at this location were less than 30 µg/L and were below the Class GA criterion of 5 µg/L during the May 2004 sampling event. During the June 2006 sampling event, the PCE concentration at this location was 5,200 µg/L. The concentration has decreased significantly since that time to 1,700 µg/L in August 2007 and 500 µg/L in November 2008.

Concentrations of 1,1,1-trichloroethane, PCE and its breakdown daughter products (TCE 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 shallow monitoring well MW-6B (480 µg/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 above the criterion in one well MW-12 (17 µg/L) and below the criterion in monitoring well MW-14 at an

estimated concentration of 2 µg/L. Of the two monitoring wells near the Bay Shore Middle School, the PCE concentrations at MW-11 were 56 µg/L and 60 µg/L for the June 2006 and November 2008 sampling events (an obstruction prevented the collection of a sample in August 2007). At MW-16, the other well near the school, the concentrations of VOCs have all decreased, although the PCE concentration is slightly above the criterion. The two most downgradient wells sampled (MW-23S and MW-23D) are located near the Sunrise Highway. PCE was detected in MW-23S at a concentration of 1,700 µg/L along with high concentrations of two daughter products, TCE and cis-1,2-dichloroethene. PCE was detected above the criterion in MW-23D at a concentration of 6 µg/L.

5.2 Summary of TAL Metals

Of the 23 TAL metals, eight metals were detected at concentrations above their Class GA criteria. These exceedances included antimony, cadmium, chromium, iron, manganese, nickel, sodium and thallium. Three of the metals, iron, manganese and sodium, are naturally occurring elements in Long Island groundwater and will not be discussed further.

Antimony was detected in five wells during the June 2006 sampling event at concentrations ranging from an estimated 1.4 µg/L at MW-23D to 6.3 µg/L at MW-13, the only location where antimony exceeded the Class GA criterion of 3 µg/L. Of the four wells sampled in April 2007 (MW-4, MW-5, MW-6A and MW-6B), antimony exceeded the criterion at three locations. During the August 2007 sampling event, antimony exceeded the criterion at monitoring wells MW-23S and MW-23D. Cadmium has been detected in most of the samples collected at the Site but has only exceeded the criterion once. Chromium was detected in all samples during all three sampling events and exceeded the criterion in most of the samples. Nickel has exceeded the Class GA criterion of 100 µg/L in five wells: MW-4, MW-6, MW-6A, MW-12, and MW-16. Thallium was detected at seven locations during the June 2006 sampling event, all of which exceeded the Class GA criterion of 4 µg/L. During the August 2007 sampling event, there was only one exceedance of thallium.

5.3 Future Recommendations

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 MW-23S will be reevaluated during the next sampling event. Chromium concentrations continue to exceed the criterion in most of the monitoring wells.

The next round of sampling is scheduled for February 2010.

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

Well ID	NY State Plane Coordinates[1]		Total Depth of Well	Top of Riser Elevation	Comments
	Northing	Easting			
MW-1	193,973.43	2,204,502.95	86.7		Behind Servall Building
MW-2	194,178.63	2,204,535.21	82.2		Well could not be located prior to the November 2008 event
MW-3A	194,188.77	2,204,423.40	100.0	64.54	Well could not be located prior to the November 2008 event
MW-3B	198,189.80	2,204,411.51	88.3	64.54	West of the building on the north side of Drayton Avenue
MW-4	193,713.55	2,204,672.09	83.7	63.11	On north side of Frederick Avenue
MW-5	193,738.12	2,204,418.09	36.4	64.04	On north side of Frederick Avenue
MW-6A	193,723.62	2,204,573.71	62.6	63.87	On north side of Frederick Avenue
MW-6B	193,722.77	2,204,566.29	31.7	63.83	On north side of Frederick Avenue
MW-7	193,247.00	2,204,484.62	112		Well appears to be missing
MW-8	192,291.45	2,205,304.27	104		Well appears to be missing
MW-9	189,214.07	2,206,683.24	88		Well appears to have been paved over or removed
MW-11	188,889.82	2,207,272.76	89.0	37.07	In grass on field at Bay Shore Middle School
MW-12	191,051.70	2,205,475.34	89.2	50.61	In woods along Southern State Parkway near light pole
MW-13	190,990.06	2,205,989.11	96.5	50.33	In woods along Southern State Parkway near light pole
MW-14	191,009.26	2,206,506.46	93.7	49.98	In woods along Southern State Parkway near light pole
MW-16	188,111.44	2,207,779.29	94.0	36.50	South side of Abrew Street in roadway
MW-23S	187,099.54	2,208,295.49	69.3	24.38	In roadway on Cul-de-sac on Perkel Street
MW-23D	187,101.72	2,208,276.17	87.6	24.45	In roadway on Cul-de-sac on Perkel Street

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

1 - Coordinates from E.C. Jordan, January 1992.

TABLE 2
SERVALL LAUNDRY SITE (SITE 1-52-077)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-2	57.80	6/6/06	--	--	could not locate
		8/20/07	--	--	could not locate
		11/11/08	23.82	33.98	November 2008 sampling event
MW-3A	64.54	6/6/06	20.68	43.86	June 2006 sampling event
		8/20/07	22.00	42.54	August 2007 sampling event
		11/11/08	23.61	40.93	November 2008 sampling event
MW-3B	63.97	6/6/06	--	--	could not locate
		8/20/07	--	--	could not locate
		11/11/08	23.81	40.16	November 2008 sampling event
MW-4	63.11	6/16/06	20.34	42.77	June 2006 sampling event
		8/20/07	21.50	41.61	August 2007 sampling event
		11/11/08	23.35	39.76	November 2008 sampling event
MW-5	64.04	6/15/06	20.98	43.06	June 2006 sampling event
		8/20/07	22.20	41.84	August 2007 sampling event
		11/11/08	23.99	40.05	November 2008 sampling event
MW-6A	63.87	6/15/06	20.93	42.94	June 2006 sampling event
		8/20/07	22.41	41.46	August 2007 sampling event
		11/11/08	24.01	39.86	November 2008 sampling event
MW-6B	63.83	6/15/06	20.89	42.94	June 2006 sampling event
		8/20/07	22.16	41.67	August 2007 sampling event
		11/11/08	23.95	39.88	November 2008 sampling event
MW-11	37.07	6/8/06	8.80	28.27	June 2006 sampling event
		8/20/07	6.57	30.50	August 2007 sampling event
		11/11/08	10.13	26.94	November 2008 sampling event
MW-12	50.61	6/15/06	14.15	36.46	June 2006 sampling event
		8/20/07	15.42	35.19	August 2007 sampling event
		11/11/08	16.74	33.87	November 2008 sampling event
MW-13	50.33	6/15/06	18.51	31.82	June 2006 sampling event
		8/20/07	15.87	34.46	August 2007 sampling event
		11/11/08	17.10	33.23	November 2008 sampling event
MW-14	49.98	6/15/06	15.01	34.97	June 2006 sampling event
		8/20/07	16.26	33.72	August 2007 sampling event
		11/11/08	17.29	32.69	November 2008 sampling event
MW-16	36.50	6/15/06	10.52	25.98	June 2006 sampling event
		8/20/07	12.76	23.74	August 2007 sampling event
		11/11/08	12.35	24.15	November 2008 sampling event
MW-23S	24.38	6/8/06	5.25	19.13	June 2006 sampling event
		8/20/07	6.22	18.16	August 2007 sampling event
		11/11/08	6.09	18.29	November 2008 sampling event
MW-23D	24.45	6/8/06	5.15	19.30	June 2006 sampling event
		8/20/07	6.14	18.31	August 2007 sampling event
		11/11/08	6.00	18.45	November 2008 sampling event

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-3A	MW-3A	MW-3A	MW-3B	MW-3B	MW-3B
Sample ID	Class GA	Can't	Can't	SL-MW-2	SMW-3A	SMW-3A	SL-MW-3A	Can't	Can't	SL-MW-3B
Laboratory ID	Groundwater	Locate	Locate	G2115-14	E0773-18	F1174-02C	G2115-16	Locate	Locate	G2115-17
Sample Date	Criteria	6/6/06	8/21/07	11/14/08	6/6/06	8/21/07	11/14/08	6/6/06	8/21/07	11/14/08
Matrix	water	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	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	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds										
1,1-Dichloroethene	5			ND	ND	ND	ND			ND
Acetone	50			ND	ND	ND	ND			ND
Benzene	1			***1.7*** J	ND	ND	ND			ND
2-Butanone	50			ND	ND	ND	ND			ND
trans-1,2-Dichloroethene	5			ND	ND	ND	ND			ND
Methyl tert-butyl ether	10			ND	ND	ND	ND			ND
cis-1,2-Dichloroethene	5			ND	ND	ND	ND			ND
Chloroform	7			ND	ND	ND	ND			ND
1,1,1-Trichloroethane	5			ND	ND	ND	ND			ND
Trichloroethene	5			ND	ND	ND	ND			ND
Tetrachloroethene	5			ND	ND	ND	ND			ND
Toluene	5			1.4 J	ND	ND	ND			ND
Chlorobenzene	5			ND	ND	ND	ND			ND
1,2-Dichlorobenzene	4.7			ND	ND	ND	ND			ND
Number of TICs				1	0	0	1			1
Total TICs				38 J	ND	ND	19 J			19 J
TAL Metals										
Aluminum	NC			266	749	817	1,630			2,030
Antimony	3			ND	ND	ND	***5.1*** B			ND
Arsenic	25			ND	ND	ND	ND			ND
Barium	1,000			17.5 B	67.3 B	ND	83.9 B			31.5 B
Beryllium	3			ND	ND	ND	ND			ND
Cadmium	5			***8.8*** *E	ND	1.4 B	***5.9*** *E			2.2 B*E
Calcium	NC			15,300	10,800	5,740	15,000			9,700
Chromium	50			***113*** *	***55.8***	***92.9***	36.3 *			***624*** *

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-3A	MW-3A	MW-3A	MW-3B	MW-3B	MW-3B
Sample ID	Class GA	Can't	Can't	SL-MW-2	SMW-3A	SMW-3A	SL-MW-3A	Can't	Can't	SL-MW-3B
Laboratory ID	Groundwater	Locate	Locate	G2115-14	E0773-18	F1174-02C	G2115-16	Locate	Locate	G2115-17
Sample Date	Criteria	6/6/06	8/21/07	11/14/08	6/6/06	8/21/07	11/14/08	6/6/06	8/21/07	11/14/08
Matrix	water	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	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	conc. Q	conc. Q	conc. Q
Cobalt	NC			20.4 B	2.4 B	1.8 B	7.3 B			14.9 B
Copper	200			18.4 B	13 B	20 B	66.2			74.7
Iron	300			***3,120***	***1,070***	***911***	***3,040***			***4,610***
Lead	25			3.3 B	ND	3.6 B	***33.1***			14.4
Magnesium	35,000			1,250	4,290	686	2,130			1,490
Manganese	300			***396***	143	264	***1,840***			***447***
Mercury	0.7			ND	ND	ND	ND			0.051 B
Nickel	100			***1,390***	23.6 B	20.7 B	22.1 B			***540***
Potassium	NC			1,980	2,170	1,010	2,550			3,040
Selenium	10			ND	ND	ND	ND			ND
Silver	50			ND	ND	1.2 B	ND			ND
Sodium	20,000			14,600	***129,000***	1,610	9,900			6,730
Thallium	0.5			ND	ND	ND	ND			ND
Vanadium	NC			2.8 B	1.4 B	1.1 B	8 B			5.9 B
Zinc	2,000			44.4 B	53.7	46.6 B	594			191

1 - See text Section 4.1 for details on sample ID
NC - No criterion
ND - Not detected
B - Estimated value, metals
D - Dilution
J - Estimated value, VOCs
NA - Data not available
BOLD/ITALICS - exceeds criterion
* - Estimated value, duplicate out of range
E - Estimated value due to interference

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5
Sample ID	Class GA	SMW-4	SMW-4	SMW-4	SL-MW-4	SMW-5	SMW-5	SMW-5	SL-MW-5
Laboratory ID	Groundwater	E0832-10	F0495-02B	F1174-03C	G2115-09	E0832-05	F0495-04B	F1174-13B	G2115-13
Sample Date	Criteria	6/16/06	4/20/07	8/21/07	11/13/08	6/15/06	4/20/07	8/27/07	11/13/08
Matrix	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	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	conc. Q	conc. Q
Volatile Organic Compounds									
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	***170***
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	38 J
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	3.0 J	2 J	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	2 J	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	***1,200***
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0	0	1
Total TICs		ND	ND	ND	28 J	ND	ND	ND	330 J
TAL Metals									
Aluminum	NC	82.5 B	271	721	1,450	391	264	2,740	383
Antimony	3	ND	***9.4 B***	ND	ND	ND	ND	ND	ND
Arsenic	25	2.2 B	ND	6.2 B	ND	1.7 B	ND	20.9	8 B
Barium	1,000	16.7 B	46.4 B	50.3 B	46.7 B	17.9 B	10.9 B	65.2 B	233
Beryllium	3	ND	ND	0.061 B	ND	ND	ND	0.26 B	ND
Cadmium	5	0.73 B	1.4 B	2.6 B	***6.1*** *E	2.4 B	2.1 B	1.3 B	0.41 B*E
Calcium	NC	13,600	18,700	19,600	52,000	20,700	20,400	18,700	31,400
Chromium	50	***534***	***337***	***382***	***321*** *	***80.5***	***79.8***	***1,370***	***116*** *

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5
Sample ID	Class GA	SMW-4	SMW-4	SMW-4	SL-MW-4	SMW-5	SMW-5	SMW-5	SL-MW-5
Laboratory ID	Groundwater	E0832-10	F0495-02B	F1174-03C	G2115-09	E0832-05	F0495-04B	F1174-13B	G2115-13
Sample Date	Criteria	6/16/06	4/20/07	8/21/07	11/13/08	6/15/06	4/20/07	8/27/07	11/13/08
Matrix	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	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	conc. Q	conc. Q
Cobalt	NC	1.6 B	6.5 B	8.9 B	21.4 B	1.3 B	0.93 B	14.1 B	24.6 B
Copper	200	33.6	16 B	21.5 B	28.6 B	6.8 B	6.4 B	34.9	10.3 B
Iron	300	***1,710***	***1,970***	***2,970***	***3,280***	***934***	***483***	***7,140***	***49,400***
Lead	25	1.6 B	0.99 B	2.4 B	5.2 B	3.6 B	1.4 B	2.3 B	ND
Magnesium	35,000	3,310	4,910	5,130	3,820	3,420	3,230	3,380	5,590
Manganese	300	181	***1,280***	***1,240***	***1,390***	209	219	***3,550***	***1,830***
Mercury	0.7	ND	0.057 B	ND	ND	ND	0.05 B	ND	ND
Nickel	100	***240***	***565***	***702***	***1,860***	39.1 B	***127***	***135***	49 B
Potassium	NC	2,710	4,690	4,930	4,170	2,490	1,960	5,000	13,900
Selenium	10	ND	5.3 B	ND	ND	ND	1.2 B	ND	ND
Silver	50	ND	0.95 B	1.9 B	ND	ND	1.3 B	1.3 B	ND
Sodium	20,000	13,400	***33,800***	***39,300***	***39,000***	13,400	14,700	***43,300***	***59,200***
Thallium	0.5	ND	ND	ND	ND	***1.4 B***	ND	ND	ND
Vanadium	NC	1.4 B	1.4 B	1.8 B	1.9 B	0.89 B	0.79 B	13.1 B	3.5 B
Zinc	2,000	17.7 B	31 B	44 B	63.4	29.2 B	30.1 B	51.4	35.2 B

1 - See text Section 4.1 for details on sample ID
NC - No criterion
ND - Not detected
B - Estimated value, metals
D - Dilution
J - Estimated value, VOCs
NA - Data not available
BOLD/ITALICS - exceeds criterion
* - Estimated value, duplicate out of range
E - Estimated value due to interference

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6A	MW-6A	MW-6A	MW-6A[1]	MW-6B	MW-6B	MW-6B	MW-6B[1]
Sample ID	Class GA	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SMW-6B	SMW-6B	SMW-6B	SMW-6B
Laboratory ID	Groundwater	E0832-06	F0495-01B	F1174-04C	G2115-10	E0832-07	F0495-03B	F1174-05C	G2115-12
Sample Date	Criteria	6/15/06	4/20/07	8/21/07	11/13/08	6/15/06	4/20/07	8/21/07	11/13/08
Matrix	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	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	conc. Q	conc. Q
Volatile Organic Compounds									
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	***210 D***	***120***	***130***	***140***
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	2 J
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	***85***	***27***	***26***	***30***
Tetrachloroethene	5	ND	ND	ND	ND	***1,100 D***	***650***	***480 D***	***470 D***
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0	0	1
Total TICs		ND	ND	ND	28 J	ND	ND	ND	28 J
TAL Metals									
Aluminum	NC	527	3,300	855	2390	2,000	3,780	14,500	7,500
Antimony	3	ND	***37.1***	ND	ND	2.7 B	***7.9 B***	ND	ND
Arsenic	25	3.5 B	ND	8.2 B	ND	ND	ND	4.6 B	ND
Barium	1,000	72.2 B	52.9 B	33.4 B	57.7 B	19.3 B	27.7 B	33.1 B	24.6 B
Beryllium	3	ND	ND	ND	ND	ND	0.24 B	0.35 B	0.37 B
Cadmium	5	1.5 B	4.3 B	2.2 B	1.9 B*E	0.75 B	0.91 B	2.6 B	0.88 B*E
Calcium	NC	33,800	17,400	15,800	15,600	19,600	25,100	24,400	22,500
Chromium	50	***607***	***1,280***	***639***	***88.8*** *	***62.2***	***133***	***143***	46.6 *

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6A		MW-6A		MW-6A		MW-6A[1]		MW-6B		MW-6B		MW-6B		MW-6B[1]	
Sample ID	Class GA	SMW-6A		SMW-6A		SMW-6A		SMW-6A		SMW-6B		SMW-6B		SMW-6B		SMW-6B	
Laboratory ID	Groundwater	E0832-06		F0495-01B		F1174-04C		G2115-10		E0832-07		F0495-03B		F1174-05C		G2115-12	
Sample Date	Criteria	6/15/06		4/20/07		8/21/07		11/13/08		6/15/06		4/20/07		8/21/07		11/13/08	
Matrix	water	water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		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	conc.	Q	conc.	Q
Cobalt	NC	11.3	B	16.8	B	13.6	B	28.2	B	2.2	B	11.6	B	9.6	B	8.6	B
Copper	200	16	B	53.3		37.6		65.3		17.5	B	37.2		150		96.6	
Iron	300	***3,780***		***6,330***		***4,410***		***4,200***		***1,950***		***5,500***		***9,130***		***5,950***	
Lead	25	4.1	B	16.7		4.3	B	***25.9***		2.8	B	9.1	B	18.5		9	B
Magnesium	35,000	5,070		2,870		2,660		2,870		3,430		4,520		5,030		3,600	
Manganese	300	***7,140***		***3,890***		***6,410***		***3,250***		81.6		***344***		***429***		***540***	
Mercury	0.7	ND		0.098	B	ND		ND		ND		0.065	B	ND		ND	
Nickel	100	***160***		***273***		***1,130***		***196***		46.1	B	51.3		47	B	12.5	B
Potassium	NC	2,390		2,110		2490		9900		2,210		2,510		2460		1740	
Selenium	10	1.7	B	9.8	B	ND		ND		ND		ND		ND		ND	
Silver	50	ND		ND		3.3	B	ND		ND		1.3	B	ND		ND	
Sodium	20,000	***59,600***		***39,600***		***31,600***		***8,730***		17,800		***28,200***		***25,900***		***15,100***	
Thallium	0.5	***32.3***		ND		ND		ND		ND		ND		ND		ND	
Vanadium	NC	2.6	B	7.2	B	2.8	B	5.3	B	1.1	B	3.7	B	7.9	B	3.3	B
Zinc	2,000	45.6	B	115		53.6		125		53.6		80.4		240		100	

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J - Estimated value, VOCs
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9	MW-11	MW-11	MW-11	MW-12	MW-12	MW-12
Sample ID	Class GA		SMW-11	SMW-11	SL-MW-11	SMW-12	SMW-12	SL-MW-12
Laboratory ID	Groundwater	Destroyed	E0773-19		G2115-01	E0832-01	F1174-08C	G2115-06
Sample Date	Criteria	6/09/06	6/8/06	Aug 2007	11/11/08	6/15/06	8/22/07	11/12/08
Matrix	water	water	water	water	water	water	water	water
Units	µg/L	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	conc. Q
Volatile Organic Compounds								
1,1-Dichloroethene	5		ND	NA	ND	ND	ND	ND
Acetone	50		ND	NA	ND	ND	ND	ND
Benzene	1		ND	NA	ND	ND	ND	ND
2-Butanone	50		ND	NA	ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	NA	ND	ND	ND	ND
Methyl tert-butyl ether	10		ND	NA	1.8 J	ND	ND	ND
cis-1,2-Dichloroethene	5		3.0 J	NA	13	ND	2 J	3.1 J
Chloroform	7		ND	NA	ND	ND	ND	ND
1,1,1-Trichloroethane	5		ND	NA	ND	ND	ND	ND
Trichloroethene	5		4 J	NA	ND	ND	1 J	ND
Tetrachloroethene	5		***56***	NA	***60***	***17***	***17***	***60***
Toluene	5		ND	NA	***63***	ND	ND	ND
Chlorobenzene	5		ND	NA	4.8 J	4 J	ND	ND
1,2-Dichlorobenzene	4.7		ND	NA	ND	***9***	ND	ND
Number of TICs			1		1	0	0	1
Total TICs			6 J	NA	22 J	ND	ND	26
TAL Metals								
Aluminum	NC		1,440	NA	494	369	257	377
Antimony	3		ND	NA	ND	1.8 B	ND	***6.2*** B
Arsenic	25		1.7 B	NA	ND	8.2 B	20.2	ND
Barium	1,000		46.1 B	NA	29.3 B	67.6 B	81.8 B	163 B
Beryllium	3		ND	NA	ND	ND	ND	ND
Cadmium	5		4.4 B	NA	0.71 B*E	2.8 B	0.92 B	0.83 B*E
Calcium	NC		11,100	NA	10,100	17,000	17,600	19,500
Chromium	50		***50.1***	NA	8.9 B*	***1,130***	***1,730***	***1,170*** *

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9		MW-11		MW-11		MW-11		MW-12		MW-12		MW-12	
Sample ID	Class GA			SMW-11		SMW-11		SL-MW-11		SMW-12		SMW-12		SL-MW-12	
Laboratory ID	Groundwater	Destroyed		E0773-19				G2115-01		E0832-01		F1174-08C		G2115-06	
Sample Date	Criteria	6/09/06		6/8/06		Aug 2007		11/11/08		6/15/06		8/22/07		11/12/08	
Matrix	water	water		water		water		water		water		water		water	
Units	µg/L	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	conc.	Q
Cobalt	NC			2.7	B	NA		ND		24.3	B	3.9	B	6.2	B
Copper	200			18.5	B	NA		ND		67.9		59.1		33.9	
Iron	300			***1,510***		NA		***1,440***		***2,810***		***7,040***		***4,720***	
Lead	25			ND		NA		6.5	B	4.9	B	ND		4.4	B
Magnesium	35,000			3,560		NA		2,920		3,050		2,270		2,930	
Manganese	300			30.7	B	NA		201		***746***		***512***		***600***	
Mercury	0.7			ND		NA		ND		ND		ND		ND	
Nickel	100			22.4	B	NA		7.7	B	***1,290***		***130***		***519***	
Potassium	NC			1,940		NA		2,560		2,980		5,700		5,020	
Selenium	10			ND		NA		ND		3.1	B	7.3	B	ND	
Silver	50			ND		NA		ND		ND		ND		ND	
Sodium	20,000			***23,700***		NA		15,500		***62,500***		***42,000***		***40,100***	
Thallium	0.5			ND		NA		ND		***5***	***B***	ND		ND	
Vanadium	NC			2.7	B	NA		2.2	B	2.1	B	4.2	B	4.6	B
Zinc	2,000			80.9		NA		46.9	B	35.2	B	22.9	B	38	B

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13	MW-13	MW-13	MW-14	MW-14	MW-14	MW-16	MW-16	MW-16
Sample ID	Class GA	SMW-13	SMW-13	SL-MW-13	SMW-14	SMW-14	SL-MW-14	SMW-16	SMW-16	SL-MW-16
Laboratory ID	Groundwater	E0832-02	F1174-07C	G2115-07	E0832-03	F1174-06C	G2115-18	E0832-04	F1174-12B	G2115-05
Sample Date	Criteria	6/15/06	8/22/07	11/12/08	6/15/06	8/22/07	11/14/08	6/15/06	8/27/07	11/12/08
Matrix	water	water	water	water	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	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	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds										
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	4 J	ND	ND
Acetone	50	4 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	2 J	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	***15***	ND	2.1 J
Chloroform	7	ND	6	2.7 J	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	***5***	ND	ND
Trichloroethene	5	3 J	ND	ND	ND	ND	ND	***16***	ND	1.1 J
Tetrachloroethene	5	***5***	ND	1 J	ND	2 J	ND	***25***	2 J	***6.9***
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	1	0	0	1	0	0	1
Total TICs		ND	ND	26 J	ND	ND	20 J	ND	ND	23 J
TAL Metals										
Aluminum	NC	38.5 B	328	417	139 B	360	209	534	453	672
Antimony	3	***6.3*** B	ND	ND	2.7 B	ND	ND	ND	ND	ND
Arsenic	25	1.7 B	5.2 B	ND	ND	3.2 B	ND	7 B	9 B	ND
Barium	1,000	55.5 B	43.6 B	47.3 B	48.6 B	55.3 B	58 B	13.6 B	ND	17.9 B
Beryllium	3	ND	0.13 B	0.3 B	ND	ND	ND	ND	0.064 B	ND
Cadmium	5	3.8 B	***48.1***	***53.6*** *E	1.3 B	1.8 B	2.8 B*E	0.71 B	1 B	0.54 B*E
Calcium	NC	18,200	10,900	10,500	7,550	19,300	16,700	9,750	2,220	10,000
Chromium	50	12.2 B	***263***	***90*** *	49.9	***100***	***59.6*** *	***1,660***	***666***	***184*** *

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13		MW-13		MW-13		MW-14		MW-14		MW-14		MW-16		MW-16		MW-16	
Sample ID	Class GA	SMW-13		SMW-13		SL-MW-13		SMW-14		SMW-14		SL-MW-14		SMW-16		SMW-16		SL-MW-16	
Laboratory ID	Groundwater	E0832-02		F1174-07C		G2115-07		E0832-03		F1174-06C		G2115-18		E0832-04		F1174-12B		G2115-05	
Sample Date	Criteria	6/15/06		8/22/07		11/12/08		6/15/06		8/22/07		11/14/08		6/15/06		8/27/07		11/12/08	
Matrix	water	water		water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		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	conc.	Q	conc.	Q	conc.	Q
Cobalt	NC	1.3	B	5.7	B	5.7	B	1.3	B	2.1	B	ND		4	B	2.7	B	1.8	B
Copper	200	8.3	B	48.9		25.7	B	ND		29.9	B	8.5	B	8.6	B	24	B	9	B
Iron	300	153	B	***1,470***		***1,140***		***449***		***1,170***		***821***		***7,270***		***5,520***		***2,440***	
Lead	25	2.1	B	3.4	B	5.8	B	1.7	B	ND		ND		2.8	B	1.2	B	4.3	B
Magnesium	35,000	8,570		3,470		2,840		3,540		2,780		2,630		4,790		628		3,530	
Manganese	300	108		272		***343***		25.6	B	33.4	B	35	B	51.8		39.7	B	46.3	B
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND		0.018	B
Nickel	100	12	B	80		95.4		24.3	B	68.8		79.9		***125***		***110***		90.1	
Potassium	NC	1,310		2,480		3,060		1,550		1,240		2,150		1,040		1,330		2,530	
Selenium	10	ND		ND		ND		1.4	B	ND		ND		2.2	B	ND		ND	
Silver	50	ND		ND		ND		ND		1.4	B	ND		ND		ND		ND	
Sodium	20,000	***35,700***		***41,000***		***34,300***		***60,500***		***31,700***		***70,400***		***24,500***		3,080		***33,600***	
Thallium	0.5	***1.7***	***B***	ND		ND		***1.3***	***B***	***2.8***		ND		ND		ND		ND	
Vanadium	NC	0.6	B	1.4	B	1.4	B	ND		1.2	B	ND		6.4	B	5.2	B	6	B
Zinc	2,000	28.9	B	115		106		22.2	B	16.1	B	24.7	B	25.9	B	37.2	B	68.8	

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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23S	MW-23S	MW-23S	MW-23D	MW-23D	MW-23D
Sample ID	Class GA	SMW-23S	SMW-23S	SL-MW-23S	SMW-23D	SMW-23D	SL-MW-23D
Laboratory ID	Groundwater	E0773-20	F1174-11B	G2115-03	E0773-21	F1174-09B	G2115-04
Sample Date	Criteria	6/8/06	8/27/07	11/12/08	6/8/06	8/27/07	11/12/08
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
Volatile Organic Compounds							
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	1 J	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	1 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***360 D***	***180 D***	***45***	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	1.6 J	ND	ND	ND
Trichloroethene	5	***220 D***	***99***	***18***	ND	ND	ND
Tetrachloroethene	5	***5,200 D***	***1,700 D***	***500 D***	4 J	***6***	***7.7***
Toluene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND
Number of TICs		2	0	1	1	0	1
Total TICs		1,250 NJD	ND	21 J	6 J	ND	25 J
TAL Metals							
Aluminum	NC	253	83.7 B	109 B	7,130	306	ND
Antimony	3	ND	***7.5 B***	ND	1.4 B	***4.7*** B	ND
Arsenic	25	ND	ND	ND	2.5 B	ND	ND
Barium	1,000	25.6 B	15 B	15.2 B	77.8 B	26 B	23.9 B
Beryllium	3	ND	ND	ND	0.6 B	0.07 B	ND
Cadmium	5	ND	3.3 B	***9.4*** *E	ND	0.25 B	0.24 B*E
Calcium	NC	17,800	18,300	12,400	14,800	14,100	17,600
Chromium	50	0.66 B	3.6 B	ND	12.2 B	3.4 B	ND

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23S		MW-23S		MW-23S		MW-23D		MW-23D		MW-23D	
Sample ID	Class GA	SMW-23S		SMW-23S		SL-MW-23S		SMW-23D		SMW-23D		SL-MW-23D	
Laboratory ID	Groundwater	E0773-20		F1174-11B		G2115-03		E0773-21		F1174-09B		G2115-04	
Sample Date	Criteria	6/8/06		8/27/07		11/12/08		6/8/06		8/27/07		11/12/08	
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
Cobalt	NC	2	B	2.2	B	ND		5	B	2.4	B	ND	
Copper	200	8.5	B	20.1	B	ND		27.2	B	22.3	B	ND	
Iron	300	133	B	247		***544***		***3,800***		***563***		82.5	B
Lead	25	ND		ND		2.3	B	ND		1.7	B	ND	
Magnesium	35,000	6,830		6,950		4,920		2,440		2,570		3,350	
Manganese	300	***1,570***		***1,370***		***1,230***		109		77.9		15.7	B
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	15	B	18.3	B	14.7	B	7.6	B	3.3	B	ND	
Potassium	NC	1,340		1,500		1,240		3,270		2,930		3,110	
Selenium	10	ND		ND		ND		ND		ND		ND	
Silver	50	ND		2.4	B	ND		ND		1.9	B	ND	
Sodium	20,000	***28,700***		***35,200***		***25,500***		16,200		16,500		16,600	
Thallium	0.5	***7.8***	***B***	ND		ND		***1.3***	***B***	ND		ND	
Vanadium	NC	ND		0.44	B	1	B	14.5	B	1.3	B	ND	
Zinc	2,000	15.2	B	105		71.9		53.8		30.6	B	17.8	B

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300 BROADACRES DRIVE
BLOOMFIELD, NJ 07003

ENVIRONMENTAL / CONSULTING ENGINEERS

DRAWING TITLE: Site Location Map

DRAWN BY: KDS
CHECKED BY: PK
SCALE: As Shown
DATE: 8/8/2008
PROJECT NO. 95900.04
DRAWING NO. Figure 1

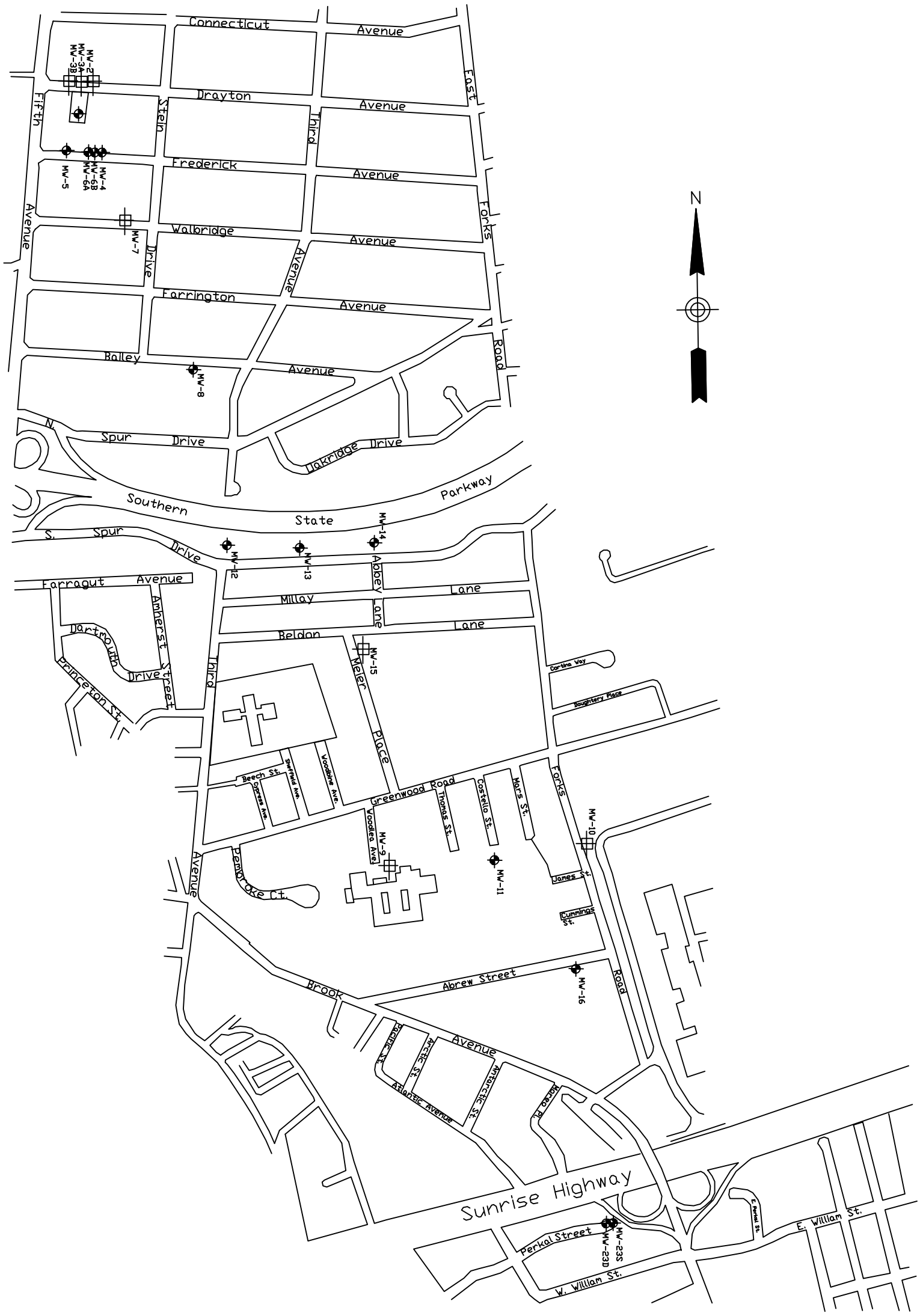
PROJECT:
Multi Site G
Servall Laundry
West Islip, New York

CLIENT:
New York Department of Environmental Conservation
Albany, New York

REVISIONS

NO.	DATE	DESCRIPTION

EARTH TECH



LEGEND:

MW-14 EXISTING MONITORING WELLS

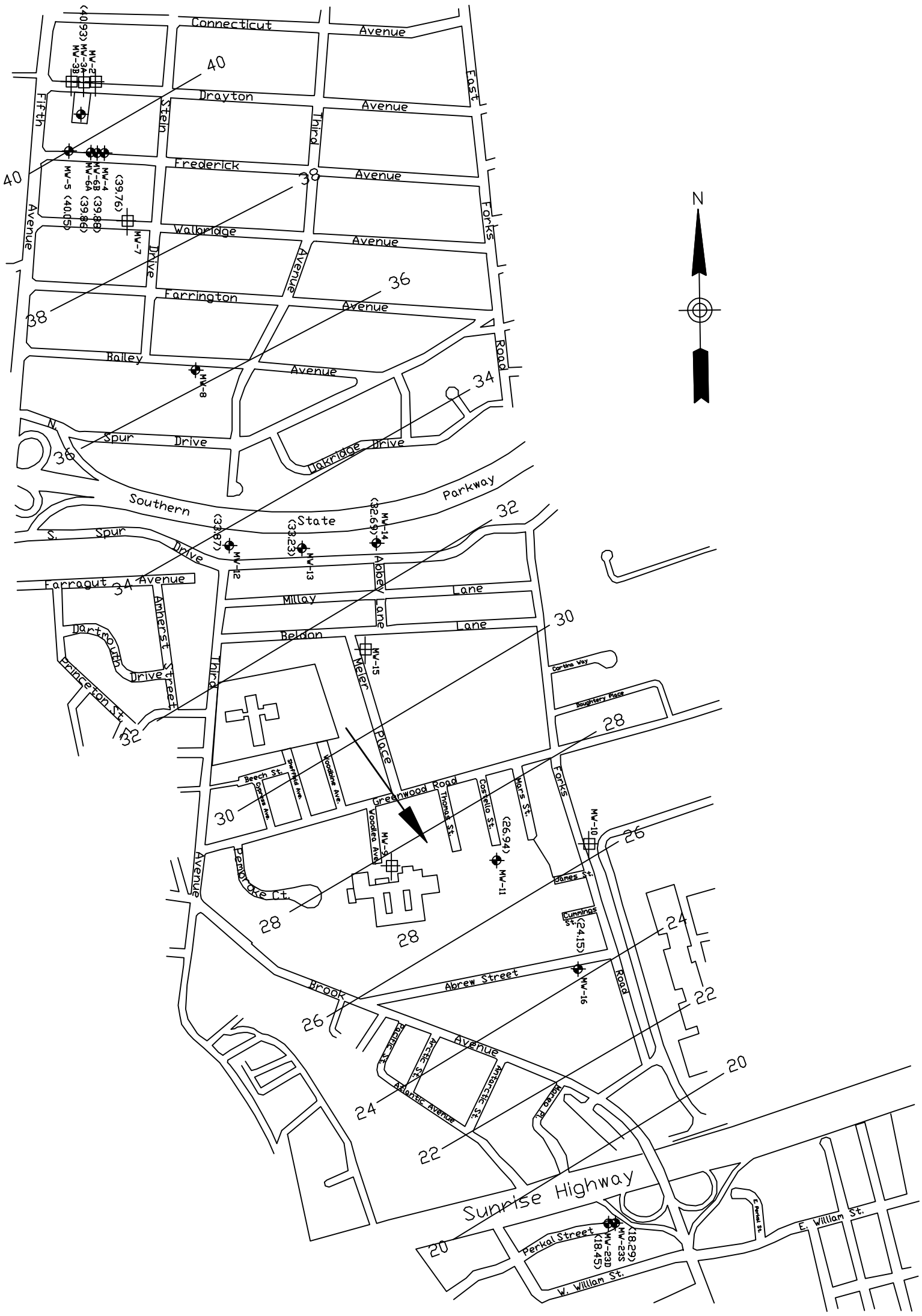
DAMAGED OR MISSING MONITORING WELLS

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK	MULTI SITE G - SMS INSTRUMENTS SITE SITE NO. 1-52-026		
DRAWN BY : VM	**SITE MAP**		
APPROVED BY : PK	DATE : NOVEMBER 2008	SCALE : AS SHOWN	DRAWING NO. : 2



LEGEND:

- MW-14 — EXISTING MONITORING WELLS
- (53.9) — GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
- - -53.9- - — GROUNDWATER ISOPLETH CONTOUR INTERVAL - 0.5 ft
- DIRECTION OF GROUNDWATER FLOW

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK	MULTI SITE G - SMS INSTRUMENTS SITE SITE NO. 1-52-026
DRAWN BY : VM	**GROUNDWATER CONTOUR MAP NOVEMBER 11, 2008**
APPROVED BY : PK	DATE : NOVEMBER 2008 / SCALE : AS SHOWN / DRAWING NO. : 3

N

MW-6B				
Compound	Jun 06	Apr 07	Aug 07	Nov 08
Cis 1,2 Dichloroethene	**210** D	**120**	**130**	**140**
Trichloroethene	**85**	**27**	**26**	**30**
Tetrachloroethene	**1,100** D	**650**	**480** D	**470** D
Antimony	2.7B	**7.9B**	ND	ND
Chromium	**62.2**	**133**	**143**	46.6 *
Iron	**1,950**	**5,500**	**9,130**	**5,950**
Manganese	81.6	**344**	**429**	**540**
Sodium	17,800	**28,200**	**25,900**	**15,100**

MW-3A			
Compound	Jun 06	Aug 07	Nov 08
Antimony	ND	ND	**5.1** B
Cadmium	ND	1.4B	**5.9** *E
Chromium	**55.8**	**92.9**	36.3*
Iron	**1,070**	**911**	**3,040**
Lead	ND	3.6B	**33.1**
Manganese	143	264	**1,840**
Sodium	**129,000**	1,610	9,900

MW-2			
Compound	Jun 06	Aug 07	Nov 08
Benzene	NA	NA	**1.7** J
Cadmium	NA	NA	**8.8**^E
Chromium	NA	NA	**113***
Iron	NA	NA	**3,120**
Manganese	NA	NA	**396**
Nickel	NA	NA	**1,390**

MW-4				
Compound	Jun 06	Apr 07	Aug 07	Nov 08
Antimony	ND	**9.4B**	ND	ND
Cadmium	0.73 B	1.4 B	2.6 B	**6.1***E
Chromium	**534**	**337**	**382**	**321***
Iron	**1,710**	**1,970**	**2,970**	**3,280**
Manganese	181	**1,280**	**1,240**	**1,390**
Nickel	**240**	**565**	**702**	**1,860**
Sodium	13,400	**33,800**	**39,300**	**39,000**

MW-23S				
Compound	Jun 06	Apr 07	Aug 07	Nov 08
Cis 1,2-Dichlorothene	**360** D	**180** D	**45**	
Trichloroethene	**220** D	**99**	**18**	
Tetrachloroethene	**5,200** D	**1,700** D	**500** D	ND
Antimony	ND	**7.5 B**	ND	**9.4***E
Cadmium	ND	3.3 B	247	**544**
Iron	133 B	**1,570**	**1,370**	**1,230**
Manganese	**1,570**	**28,700**	**35,200**	**25,500**
Sodium	**28,700**	ND	ND	
Thallium	**7.8 B**			

MW-16				
Compound	Jun 06	Aug 07	Nov 08	
Cis 1,2-Dichlorothene	**15**	ND	2.1 J	
1,1,1-Trichloroethane	**5**	ND	ND	
Trichloroethene	**16**	ND	1.1 J	
Tetrachloroethene	**25**	2 J	**6.9**	
Chromium	**1,660**	**666**	**184** *	
Iron	**7,270**	**5,520**	**2,440**	
Nickel	**125**	**110**	90.1	
Sodium	**24,500**	3,080	**33,600**	

MW-14			
Compound	Jun 06	Aug 07	Nov 08
Chromium	49.9	**100**	**59.6** *
Iron	**449**	**1,170**	**821**
Sodium	**60,500**	**31,700**	**70,400**
Thallium	**1.3** B	**2.8**	ND

MW-3B			
Compound	Jun 06	Aug 07	Nov 08
Chromium	NA	NA	**624***
Iron	NA	NA	**4,610**
Manganese	NA	NA	**447**
Nickel	NA	NA	**540**

MW-5				
Compound	Jun 06	Apr 07	Aug 07	Nov 08
Acetone	ND	ND	ND	**170**
Toluene	ND	ND	ND	**1,200**
Chromium	**80.5**	**79.8**	**1,370**	**116***
Iron	**934**	**483**	**7,140**	**49,400**
Manganese	209	219	**3,550**	**1,830**
Nickel	39.1 B	**127**	**135**	49 B
Sodium	13,400	14,700	**43,300**	**59,200**
Thallium	**1.4 B**	ND	ND	ND

MW-6A				
Compound	Jun 06	Apr 07	Aug 07	Nov 08
Antimony	ND	**37.1**	ND	ND
Chromium	**607**	**1,280**	**639**	ND
Iron	**3,780**	**6,330**	**4,410**	**88.8** *
Lead	4.1 B	16.7	**4,200**	4.3 B
Manganese	**7,140**	**3,890**	**25.9**	**6,410**
Nickel	**160**	**273**	**1,130**	**196**
Sodium	**59,600**	**39,600**	**31,600**	**8,730**
Thallium	**32.3**	ND	ND	ND

MW-12			
Compound	Jun 06	Aug 07	Nov 08
Tetrachloroethene	**17**	**17**	**60**
1,2 Dichlorobenzene	9	ND	ND
Antimony	1.8 B	ND	**6.2** B
Chromium	**1,130**	**1,730**	**1,170** *
Iron	**2,810**	**7,040**	**4,720**
Manganese	**746**	**512**	**600**
Nickel	**1,290**	**130**	**519**
Sodium	**62,500**	**42,000**	**40,100**
Thallium	**5** B	ND	ND

MW-13			
Compound	Jun 06	Aug 07	Nov 08
Tetrachloroethene	**5**	ND	1 J
Toluene	**6.3** B	ND	ND
Chromium	3.8 B	**48.1**	**53.6** *E
Iron	12.2B	**263**	**90** *
Manganese	153 B	**1,470**	**1,140**
Nickel	108	272	**343**
Sodium	**35,700**	**41,000**	**34,300**
Thallium	**1.7** B	ND	ND

MW-11			
Compound	Jun 06	Aug 07	Nov 08
Tetrachloroethene	**56**	NA	**60**
Toluene	ND	NA	**63**
Chromium	**50.1**	NA	8.9 B*
Iron	**1,510**	NA	**1,440**
Sodium	**23,700**	NA	15,500

MW-23D			
Compound	Jun 06	Aug 07	Nov 08
Tetrachloroethene	4 J	**6**	7.7
Antimony	1.4 B	**4.7** B	ND
Iron	**3,800**	**563**	82.5 B
Thallium	**1.3** B	ND	ND

Connecticut Avenue
East Drayton Avenue
Third Avenue
Forks Road
Stein Avenue
Frederick Avenue
Fifth Avenue
Walbridge Avenue
Drive
Farrington Avenue
Bailey Avenue
Spur Drive
Oakridge Drive
Southern Parkway
State
Spur Drive
Farragut Avenue
Abbey Lane
Millay Lane
Beldon Lane
Maira Place
Meier Place
Cortina Way
Dougherty Place
Dartmouth Drive
Princeton St.
Amherst Street
Beech St.
Sheffield Ave.
Cypress Ave.
Woodbine Ave.
Greenwood Road
Mars St.
Costello St.
St. Thomas St.
Voodlea Ave.
Pembroke Ct.
James St.
Cummings St.
Abrew Street
Brook Avenue
Atlantic Avenue
Morton St.
Morton Pl.
Sunrise Highway
Perkal Street
E. Perkal St.
E. William St.
W. William St.
MW-1
MW-2
MW-3A
MW-3B
MW-4
MW-5
MW-6B
MW-6A
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-23S
MW-23D

LEGEND:

MW-14 EXISTING MONITORING WELLS

DAMAGED OR MISSING MONITORING WELL

Note:
All results are shown in micrograms per liter (ug/L)
B: Estimated value, metals
J: Estimated value, VOCs
D: Dilution

GRAPHIC SCALE
50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK

DRAWN BY : VM

APPROVED BY : PK

MULTI SITE G - SERVALL LAUNDRY SITE
SITE NO. 1-52-077

SUMMARY OF VOCS AND TAL METALS IN GROUNDWATER NOVEMBER, 2008

DATE : NOVEMBER 2008

SCALE : AS SHOWN

DRAWING NO. : 4

APPENDIX A

WELL SAMPLING FORMS

Earth Tech | AECOM

WELL NO. MW-2

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 9.92 gallons WELL TD: 82.19 ft PUMP INTAKE DEPTH: 77 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	23.82						Static Water Level
9:33	23.92	1.5	14.8	0.216	6.21	391	Pump on, rusty brown
9:38	23.93	1.5	15.1	0.235	6.13	197	light brown
9:43	23.93	2	15.1	0.236	6.05	62	clear
9:49	23.93	2	15.2	0.234	6.04	15	clear
9:54	23.93	2	15.2	0.23	6.03	7	clear
10:00							Collect sample MW-2
							MS/MSD
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-3A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Peter Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 12.99 gallons WELL TD: est. 100 ft PUMP INTAKE DEPTH: 5' from bottom ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	23.61						Static Water Level
10:39	26.39	2	15.1	0.134	6.62	533	Pump on, Brown
10:45	26.74	2.7	15.4	0.806	6.19	404	brown
10:50	26.87	3	15.6	0.831	6.19	164	lt. brown
10:55	26.90	3	15.5	0.823	6.2	104	clear
11:00	26.92	3	15.5	0.813	6.22	103	clear
11:05	26.92	3	15.5	0.811	6.22	88	clear
11:11							Collect sample MW-3A
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-3B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Peter Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 10.96 gallons WELL TD: 88.3 ft PUMP INTAKE DEPTH: 83 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS				REMARKS
			Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	
	23.81						Static Water Level
11:33	23.97	2.5	15.2	0.13	6.31	291	Pump on, brown
11:37	23.97	2.5	15.4	0.134	6.09	65	clear
11:39	23.98	2.8	15.4	0.134	6.07	32	clear
11:44	24.00	3.1	15.5	0.135	6.05	18	clear
11:46	24.00	3.2	15.5	0.134	6.06	27	clear
11:55							Collect sample MW-3B
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

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WELL NO. MW-4

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/13/08	DATE WELL COMPLETED: 11/13/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 10.25 gallons WELL TD: 83.66 ft PUMP INTAKE DEPTH: 79 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	23.35						Static Water Level
9:50	23.51	2.4	14	0.469	6.46	385	Pump on, brown
9:54	23.50	2.4	14.8	0.58	6.41	117	cloudy clear
9:57	23.50	2.4	14.9	0.583	6.41	37	clear
10:01	23.50	2.4	14.8	0.586	6.45	20	clear
10:05	23.50	2.4	14.9	0.587	6.43	14	clear
10:15							Collect sample MW-4
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-5

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/13/08	DATE WELL COMPLETED: 11/13/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Peter Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 0.46 gallons WELL TD: 26.69 ft PUMP INTAKE DEPTH: 25.5 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	23.99						Static Water Level
11:52	24.14	0.3	15.8	0.431	6.18	116	Pump on, dk. Gray
11:54	24.14	0.3	16.3	0.521	6.24	20	clear
11:55	24.14	0.3	16.4	0.535	6.32	7	clear
11:56	24.14	0.3	16.4	0.534	6.33	6	clear
12:00							Collect sample MW-5
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-6A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/13/08	DATE WELL COMPLETED: 11/13/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 6.55 gallons WELL TD: 62.56 ft PUMP INTAKE DEPTH: 57 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	24.01						Static Water Level
11:21	24.16	1	14.9	0.149	6.24	999	Pump on, brown
11:23	24.17	3.2	15.2	0.163	6.22	43	clear
11:25	24.17	3.2	15.3	0.164	6.2	22	clear
11:27	24.17	3.2	15.4	0.164	6.2	9	clear
11:30							Collect sample MW-6A
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-6B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/13/08	DATE WELL COMPLETED: 11/13/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Peter Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.29 gallons WELL TD: 31.53 ft PUMP INTAKE DEPTH: 27 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	23.95						Static Water Level
10:41	24.05	0.3	14.2	0.189	6.66	246	Pump on, lt. brown
10:44	24.10	0.3	14.6	0.195	6.36	187	cloudy
10:45	24.10	0.65	14.7	0.196	6.19	80	clear
10:47	24.10	0.65	14.8	0.196	6.14	20	clear
10:49	24.10	0.65	14.8	0.196	6.13	14	clear
10:57							Collect sample MW-6B
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-11

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Dan Simpson	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.85 gallons WELL TD: 21.04 ft PUMP INTAKE DEPTH: bailer

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	10.13						Static Water Level
14:07	10.15	0.5	14.5	0.114	5.9	147	Pump on
14:10	10.16	0.5	14	0.094	6.05	296	brown
14:14	10.15	0.5	13.3	0.093	6.21	164	brown
14:17	10.15	0.5	13.2	0.093	6.24	88	brown
14:20							Collect sample MW-11
							Total depth was much less than
							anticipated, should be 89 ft.
							Obstruction in the well.
							Used a bailer for purging.
							bailer left in well

Pump Type: Used a Teflon bailer to purge the well, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-12

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Daniel Simpson	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 12.32 gallons WELL TD: 89.19 ft PUMP INTAKE DEPTH: 84 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	16.74						Static Water Level
12:55	16.92	2.2	13.1	0.323	5.88	475	Pump on, brown
12:59	16.92	2.2	13.9	0.328	5.57	157	lt. brown
13:03	16.92	2.2	14	0.328	5.52	27	clear
13:09	16.92	2.2	13.9	0.329	5.53	6	clear
13:20							Collect sample MW-12
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-13

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.5 gallons WELL TD: 96.52 ft PUMP INTAKE DEPTH: 91.5 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	17.10						Static Water Level
13:40	17.42	2.7	12.5	0.326	5.76	337	Pump on, clear
13:43	17.43	2.7	13	0.356	5.83	321	clear
13:47	17.45	2.7	13.2	0.358	5.84	167	clear
13:53	17.45	2.7	13.2	0.359	5.85	119	clear
14:00							Collect sample MW-13
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-14

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 12.98 gallons WELL TD: 93.63 ft PUMP INTAKE DEPTH: 88.5 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	17.29						Static Water Level
13:12	17.48	2.6	14	0.286	6.04	436	Pump on, brown
13:17	17.51	3	14	0.274	5.86	60	clear
13:22	17.51	3	13.8	0.273	5.81	47	clear
13:26	17.51	3	13.8	0.273	5.81	31	clear
13:33							Collect sample MW-14
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-16

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Dan Simpson	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.86 gallons WELL TD: 93.9 ft PUMP INTAKE DEPTH: 89 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS				REMARKS
			Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	
	12.35						Static Water Level
11:05	12.81	2	12	0.199	6.07	778	Pump on, cleary brown
11:13	12.81	2	12.4	0.201	6.07	222	clear
11:19	12.82	2	12.5	0.201	6.03	25	clear
11:26	12.82	2	12.6	0.201	6.03	32	clear
11:35							Collect sample MW-16
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-23S

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 10.75 gallons WELL TD: 69.32 ft PUMP INTAKE DEPTH: 64 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	6.09						Static Water Level
9:05	8.49	1.5	11.9	0.193	6.32	28	Pump on, clear
9:09	8.49	2	12.4	0.197	5.79	3	clear
9:15	8.48	2	12.6	0.196	5.75	6	clear
9:21	8.52	2	12.7	0.196	5.71	2	clear
9:25							Collect sample MW-23S
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

Earth Tech | AECOM

WELL NO. MW-23D

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Pete Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 13.9 gallons WELL TD: 87.79 ft PUMP INTAKE DEPTH: 83 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
	6.00						Static Water Level
9:42	16.20	1.4	12.2	0.171	5.92	129	Pump on, clear
9:51	22.13	2	12.7	0.118	5.94	560	gray
9:58	22.41	1.7	12.6	0.108	5.95	168	clear
10:07	22.53	1.7	12.8	0.105	5.93	95	clear
10:15	22.62	1.7	12.6	0.104	5.95	81	clear
10:20							Collect sample MW-23D
							Duplicate sample MW-73D
							tubing and bailer left in well

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOCs, TAL Metals

APPENDIX B

NYSDEC MONITORING WELL FIELD INSPECTION LOGS

SITE NAME: Serrall

SITE ID.: SL
INSPECTOR: P. L
DATE/TIME: 11-14-08 0930
WELL ID.: MW-2

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 193,973.43 NYTM Y 204,502.95
PDOP Reading from Trimble pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 / PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Flush/grade
PROTECTIVE CASING MATERIAL TYPE: metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 82.19
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 23.82
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 15' overhead

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

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

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

REMARKS:
4" poly pipe around riser
Well previously designated as lost/damaged but was found half paved over.

SITE NAME: Sewell

SITE ID.: SL
INSPECTOR: R
DATE/TIME: 8-14-08
WELL ID.: MW-3A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 194,188.77 NYTM Y 2,204,423.40
PDOP Reading from Trimble pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini Rae, 2000 — 0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Flush
PROTECTIVE CASING MATERIAL TYPE: Metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 100+
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 23.61
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: No
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 40'+/-

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In the right of way along Drayton Aves in front of a fence gate

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

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

REMARKS:
well manhole box needs replacement. Well previously marked as a lost well (pre 2000), dug up using shovel.

SITE NAME: Servall

SITE ID.: SL
INSPECTOR: P. L
DATE/TIME: 11-14-08 1130
WELL ID.: MW-7B

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 198,189.80 NYTM Y 2204,411.51
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

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

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

SURFACE SEAL PRESENT? lid broken
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) J-plug present
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) well lid broken

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 / PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): flush/grade
PROTECTIVE CASING MATERIAL TYPE: metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 8830
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 23.81
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES 15' overhead

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
grassy area between road and side walk, overhead lines across street.

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

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Well lid is broken

SITE NAME: Servall

SITE ID.: Main St
INSPECTOR: L.C.
DATE/TIME: 8/13/08 0955
WELL ID.: MW-4

MONITORING WELL FIELD INSPECTION LOG

		YES	NO
WELL VISIBLE? (If not, provide directions below)	house #15	X	
WELL COORDINATES? NYTM X	193,713.55		
NYTM Y	2,204,672.09		
PDOP Reading from Trimble pathfinder:			
Satelites:			
GPS Method (circle) Trimble And/Or Magellan			
WELL I.D. VISIBLE?			X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)		X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	N/A		
SURFACE SEAL PRESENT?		X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	lid warped		X
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.10/PID		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flush grade		
PROTECTIVE CASING MATERIAL TYPE:	metal		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"		
LOCK PRESENT?			X
LOCK FUNCTIONAL?			X
DID YOU REPLACE THE LOCK?			X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)			X
WELL MEASURING POINT VISIBLE?	North		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	23.66		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	23.35		
MEASURE WELL DIAMETER (Inches):	2"		
WELL CASING MATERIAL:	metal		
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	20' from overhead		

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

Side of street, overhead lines across street and crossing street nearby.

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

dirt shoulder on side of street.

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

Vehicular traffic

REMARKS:

Lid intact but warped

SITE NAME: Sewall

SITE ID.: SL
INSPECTOR: P. L
DATE/TIME: 11/12/08 1155
WELL ID.: MW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

WELL COORDINATES? NYTM X 193,738.12 NYTM Y 2,204,418.09
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) — Y

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) — 3-plug present

PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) — lid broken

HEADSPACE READING (ppm) AND INSTRUMENT USED — 0.0/PID

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) — flush grade

PROTECTIVE CASING MATERIAL TYPE: — metal

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): — 6"

WELL MEASURING POINT VISIBLE? — North

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): — 20.69

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): — 13.99

MEASURE WELL DIAMETER (Inches): — 2"

WELL CASING MATERIAL: — metal

PHYSICAL CONDITION OF VISIBLE WELL CASING: — good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE — None

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES — 20' retired

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

Along the street

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

Gravel/Dirt shoulder along Fredrick St.

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

Vehical traffic

REMARKS:

well box needs replacement

SITE NAME: Servall

SITE ID.: SL
INSPECTOR: P.L
DATE/TIME: 11/13/09 1110
WELL ID.: MW-6A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO	
WELL VISIBLE? (If not, provide directions below)	X		
WELL COORDINATES? NYTM X 193,723.62 NYTM Y 2,204,573.71			
PDOP Reading from Trimble pathfinder: / Satelites:			
GPS Method (circle) Trimble And/Or Magellan			
WELL I.D. VISIBLE?		X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X		
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:			
SURFACE SEAL PRESENT? well lid broken		X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) J-plug present	X		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0/PID		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flush grade		
PROTECTIVE CASING MATERIAL TYPE:	Metal		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"		
LOCK PRESENT?		X	
LOCK FUNCTIONAL?		X	
DID YOU REPLACE THE LOCK?		X	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X	
WELL MEASURING POINT VISIBLE? North	X		
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	62.56		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.01		
MEASURE WELL DIAMETER (Inches):	6"		
WELL CASING MATERIAL:	metal		
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	/		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	15' overhead		

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

side of street, overhead lines across street

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

dirt shoulder of road

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

leaks from traffic

REMARKS:

lid broken

SITE NAME: Servall

SITE ID.: SL
INSPECTOR: D.L
DATE/TIME: 11/13/08 1640
WELL ID.: MW-6B

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 193,722.77 NYTM Y 2,204,566.29
PDOP Reading from Trimble pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Road/good
PROTECTIVE CASING MATERIAL TYPE: metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 31.53
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 23.95
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE /
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES 15' overhead

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

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

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

REMARKS:
well cap broken

SITE NAME: Servall

SITE ID.: Servall
INSPECTOR: DS
DATE/TIME: 11/17/08 / 1407
WELL ID.: SL-MW-11

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 188,889.82 NYTM Y 2,207,272.76
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: None

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

J-plug present

HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRae 2000 — 0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Flush/Grade
PROTECTIVE CASING MATERIAL TYPE: Metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 21.04
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 10.13
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: Metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: No
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 150'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Drive across athletic fields near turned tree in the grass 47'

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED:
In the grass just North of playing field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Well casing missing cover, total depth less than expected, suggest development

SITE NAME: Seavall

SITE ID.: SL
INSPECTOR: P.L
DATE/TIME: 11/12/08 1256
WELL ID.: MW-12

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) 80' West from pole 1048		X

WELL COORDINATES? NYTM X 191,051.70 NYTM Y 2,205,475.34
PDOP Reading from Trimble pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or Magellan

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

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-12

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) J-plug, lid broken	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): flush
PROTECTIVE CASING MATERIAL TYPE: metal
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 89.19
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 16.74
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: No
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: Unknown

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Along the tree line 50' from the east bound SSPkwy

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

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Vehical fluids from Southern State PKWY traffic

REMARKS:
well box needs replacement

SITE NAME: Sorvall

SITE ID.: SL
INSPECTOR: P. L.
DATE/TIME: 11/12/08
WELL ID.: MW-13

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) 5' West of pole 1052		X
WELL COORDINATES? NYTM X 190,990.06 NYTM Y 2,205,989.11		
PDOP Reading from Trimble pathfinder: ____ Satelites: ____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	N/A	
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) J-plug present	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) lid missing		X
HEADSPACE READING (ppm) AND INSTRUMENT USED	OD / PID	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	flush/grade	
PROTECTIVE CASING MATERIAL TYPE:	metal	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE? North		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	96.52	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.10	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	metal	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	unknown	

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

In grass off highway, next to lamp post, next to wooded area.

#1052

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

In grass off side of highway

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

Fluids from traffic on highway

REMARKS:

Well lid is missing

SITE NAME: Senwell

SITE ID.: SL
INSPECTOR: P.L
DATE/TIME: 11-14-08 1313
WELL ID.: MW-14

MONITORING WELL FIELD INSPECTION LOG

		YES	NO
WELL VISIBLE? (If not, provide directions below)	East of pole 1056		X
WELL COORDINATES? NYTM X 191,009.26 NYTM Y 2,206,506.46			
PDOP Reading from Trimble pathfinder: ____ Satelites: ____			
GPS Method (circle) Trimble And/Or Magellan			
WELL I.D. VISIBLE?			X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)		X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	N/A		
SURFACE SEAL PRESENT?	lid broken		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	J-plug present	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	lid broken		X
HEADSPACE READING (ppm) AND INSTRUMENT USED		0.0/PID	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		flush/grade	
PROTECTIVE CASING MATERIAL TYPE:		metal	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		6"	
LOCK PRESENT?			X
LOCK FUNCTIONAL?			X
DID YOU REPLACE THE LOCK?			X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)			X
WELL MEASURING POINT VISIBLE?	North		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):		93.63	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		17.29	
MEASURE WELL DIAMETER (Inches):		2"	
WELL CASING MATERIAL:		metal	
PHYSICAL CONDITION OF VISIBLE WELL CASING:		Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		unknown	

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

grassy area off highway near wooded area, just East of light pole 1056

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

grassy overgrown side of highway

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

None

REMARKS:

Well lid broken

SITE NAME: Seavell

SITE ID.: SL

INSPECTOR: Pete Lamb

DATE/TIME: 11/12/08 1120

WELL ID.: MW-16

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 188,111.44 NYTM Y 2,207,779.29

PDOP Reading from Trimble pathfinder: _____ Satelites: _____

GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 / PID

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): flush grade

PROTECTIVE CASING MATERIAL TYPE: metal

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 93.90

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 72.35

MEASURE WELL DIAMETER (Inches): 2"

WELL CASING MATERIAL: Metal

PHYSICAL CONDITION OF VISIBLE WELL CASING: good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: N/A

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 20' from overhead

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

Side street, side of street, overhead lines on opposite side of street, single overhead to house west of well

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

Side of street, side street, limited traffic, paved.

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

None

REMARKS:

In front of house #44

SITE NAME: Servall

SITE ID.: Servall
INSPECTOR: D. L
DATE/TIME: 11/12/08 0838
WELL ID.: MW-23S

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X 187,099.54 NYTM Y 2,208,295.49
PDOP Reading from Trimble pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW 23S	
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 / PID	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	flush/grade	
PROTECTIVE CASING MATERIAL TYPE:	metal	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	69.32	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.09	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC/(PVC)	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	20' from overhead lines	

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

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

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:

SITE NAME: Seawall

SITE ID: 54
INSPECTOR: L.L
DATE/TIME: 11/12/08 1000
WELL ID.: MW-23D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO	
WELL VISIBLE? (If not, provide directions below)	X		
WELL COORDINATES? NYTM X 187,101.72 NYTM Y 2,208,276.17			
PDOP Reading from Trimble pathfinder: Satelites:			
GPS Method (circle) Trimble And/Or Magellan			
WELL I.D. VISIBLE?		X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X		
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW 23D		
SURFACE SEAL PRESENT?	X		
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X		
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PID		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Push/Snap		
PROTECTIVE CASING MATERIAL TYPE:	metal		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"		
LOCK PRESENT?		X	
LOCK FUNCTIONAL?		X	
DID YOU REPLACE THE LOCK?		X	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X	
WELL MEASURING POINT VISIBLE? North		X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	87.77		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.60		
MEASURE WELL DIAMETER (Inches):	2"		
WELL CASING MATERIAL:	PVC		
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	40' from overhead lines		

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

End of Coldspring, limited traffic, overhead lines on side (South)

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

Paved Street, limited traffic

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

None

REMARKS:

APPENDIX C

LABORATORY DATA SUMMARY PACKAGES (FORM 1S)

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-3A	MW-3B	MW-4	MW-5
Sample ID	Class GA	SL-MW-2	SL-MW-3A	SL-MW-3B	SL-MW-4	SL-MW-5
Laboratory ID	Groundwater	G2115-14	G2115-16	G2115-17	G2115-09	G2115-13
Sample Date	Criteria	11/14/08	11/14/08	11/14/08	11/13/08	11/13/08
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						
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	50 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	50 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	50 U
1,1,2-Trichloroethane	1	5 U	5 U	5 U	5 U	50 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	50 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	50 U
1,1-Dichloropropene	5	5 U	5 U	5 U	5 U	50 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	50 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	50 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	50 U
1,2,4-Trimethylbenzene	5	5 U	5 U	5 U	5 U	50 U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	5 U	5 U	50 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	50 U
1,2-Dichlorobenzene	3	5 U	5 U	5 U	5 U	50 U
1,2-Dichloroethane	0.6	5 U	5 U	5 U	5 U	50 U
1,2-Dichloropropane	1	5 U	5 U	5 U	5 U	50 U
1,3,5-Trimethylbenzene	5	5 U	5 U	5 U	5 U	50 U
1,3-Dichlorobenzene	3	5 U	5 U	5 U	5 U	50 U
1,3-Dichloropropane	5	5 U	5 U	5 U	5 U	50 U
1,4-Dichlorobenzene	3	5 U	5 U	5 U	5 U	50 U
2,2-Dichloropropane	5	5 U	5 U	5 U	5 U	50 U
2-Butanone	50	5 U	5 U	5 U	5 U	38 J
2-Chlorotoluene	5	5 U	5 U	5 U	5 U	50 U
2-Hexanone	50	5 U	5 U	5 U	5 U	50 U
4-Chlorotoluene	5	5 U	5 U	5 U	5 U	50 U
4-Isopropyltoluene	5	5 U	5 U	5 U	5 U	50 U
4-Methyl-2-pentanone	NC	5 U	5 U	5 U	5 U	50 U
Acetone	50	5 U	5 U	5 U	5 U	170
Benzene	1	1.7 J	5 U	5 U	5 U	50 U
Bromobenzene	5	5 U	5 U	5 U	5 U	50 U
Bromochloromethane	5	5 U	5 U	5 U	5 U	50 U
Bromodichloromethane	50	5 U	5 U	5 U	5 U	50 U
Bromoform	50	5 U	5 U	5 U	5 U	50 U
Bromomethane	5	5 U	5 U	5 U	5 U	50 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	50 U
Carbon tetrachloride	5	5 U	5 U	5 U	5 U	50 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	50 U
Chloroethane	5	5 U	5 U	5 U	5 U	50 U
Chloroform	7	5 U	5 U	5 U	5 U	50 U
Chloromethane	NC	5 U	5 U	5 U	5 U	50 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	50 U

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2		MW-3A		MW-3B		MW-4		MW-5	
Sample ID	Class GA	SL-MW-2		SL-MW-3A		SL-MW-3B		SL-MW-4		SL-MW-5	
Laboratory ID	Groundwater	G2115-14		G2115-16		G2115-17		G2115-09		G2115-13	
Sample Date	Criteria	11/14/08		11/14/08		11/14/08		11/13/08		11/13/08	
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
cis-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U	50	U
Dibromochloromethane	50	5	U	5	U	5	U	5	U	50	U
Dibromomethane	5	5	U	5	U	5	U	5	U	50	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	50	U
Ethylbenzene	5	5	U	5	U	5	U	5	U	50	U
Hexachlorobutadiene	0.5	5	U	5	U	5	U	5	U	50	U
Iodomethane	NC	5	U	5	U	5	U	5	U	50	U
Isopropylbenzene	5	5	U	5	U	5	U	5	U	50	U
m,p-Xylene	5	5	U	5	U	5	U	5	U	50	U
Methyl tert-butyl ether	10	5	U	5	U	5	U	5	U	50	U
Methylene chloride	5	5	U	5	U	5	U	5	U	50	U
n-Butylbenzene	5	5	U	5	U	5	U	5	U	50	U
n-Propylbenzene	5	5	U	5	U	5	U	5	U	50	U
Naphthalene	10	5	U	5	U	5	U	5	U	50	U
o-Xylene	5	5	U	5	U	5	U	5	U	50	U
sec-Butylbenzene	5	5	U	5	U	5	U	5	U	50	U
Styrene	5	5	U	5	U	5	U	5	U	50	U
tert-Butylbenzene	5	5	U	5	U	5	U	5	U	50	U
Tetrachloroethene	5	5	U	5	U	5	U	5	U	50	U
Toluene	5	1.4	J	5	U	5	U	5	U	1,200	
trans-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U	50	U
trans-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U	50	U
Trichloroethene	5	5	U	5	U	5	U	5	U	50	U
Trichlorofluoromethane	5	5	U	5	U	5	U	5	U	50	U
Vinyl acetate	NC	5	U	5	U	5	U	5	U	50	U
Vinyl chloride	2	5	U	5	U	5	U	5	U	50	U
Xylene (Total)	5	5	U	5	U	5	U	5	U	50	U
Number of TICs		1		1		1		1		1	
Total TICs		38	J	19	J	19	J	28	J	330	J

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
J - Estimated value, VOCs
D - Dilution

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2		MW-3A		MW-3B		MW-4		MW-5	
Sample ID	Class GA	SL-MW-2		SL-MW-3A		SL-MW-3B		SL-MW-4		SL-MW-5	
Laboratory ID	Groundwater	G2115-14		G2115-16		G2115-17		G2115-09		G2115-13	
Sample Date	Criteria	11/14/08		11/14/08		11/14/08		11/13/08		11/13/08	
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
TAL Metals											
Aluminum	NC	266		1,630		2,030		1,450		383	
Antimony	3	4.6	U	5.1	B	4.6	U	4.6	U	4.6	U
Arsenic	25	5.3	U	5.3	U	5.3	U	5.3	U	8	B
Barium	1,000	17.5	B	83.9	B	31.5	B	46.7	B	233	
Beryllium	3	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Cadmium	5	8.8	*E	5.9	*E	2.2	B*E	6.1	*E	0.41	B*E
Calcium	NC	15300		15,000		9,700		52,000		31,400	
Chromium	50	113	*	36.3	*	624	*	321	*	116	*
Cobalt	NC	20.4	B	7.3	B	14.9	B	21.4	B	24.6	B
Copper	200	18.4	B	66.2		74.7		28.6	B	10.3	B
Iron	300	3120		3,040		4,610		3,280		49,400	
Lead	25	3.3	B	33.1		14.4		5.2	B	2.2	U
Magnesium	35,000	1250		2,130		1,490		3,820		5,590	
Manganese	300	396		1840		447		1390		1830	
Mercury	0.7	0.016	U	0.016	U	0.051	B	0.016	U	0.016	U
Nickel	100	1390		22.1	B	540		1,860		49	B
Potassium	NC	1980		2,550		3,040		4,170		13,900	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
Sodium	20,000	14600		9,900		6,730		39,000		59,200	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	2.8	B	8	B	5.9	B	1.9	B	3.5	B
Zinc	2,000	44.4	B	594		191		63.4		35.2	B

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
B - Estimated value, metals
* - Estimated value, duplicate out of range
E - Estimated value due to interference

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6B[1]		MW-6A[1]		MW-11		MW-12		MW-13	
Sample ID	Class GA	SL-MW-6B		SL-MW-6A		SL-MW-11		SL-MW-12		SL-MW-13	
Laboratory ID	Groundwater	G2115-12		G2115-10		G2115-01		G2115-06		G2115-07	
Sample Date	Criteria	11/13/08		11/13/08		11/11/08		11/12/08		11/12/08	
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											
1,1,1,2-Tetrachloroethane	5	5	U	5	U	5	U	5	U	5	U
1,1,1-Trichloroethane	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
1,1,2-Trichloroethane	1	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	5	U	5	U	5	U	5	U	5	U
1,1-Dichloropropene	5	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
1,2,3-Trichloropropane	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
1,2,4-Trimethylbenzene	5	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-Dibromoethane	5	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	1	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
1,3-Dichlorobenzene	3	5	U	5	U	5	U	5	U	5	U
1,3-Dichloropropane	5	5	U	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	5	U	5	U
2,2-Dichloropropane	5	5	U	5	U	5	U	5	U	5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U
2-Chlorotoluene	5	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	5	U	5	U	5	U	5	U	5	U
4-Isopropyltoluene	5	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NC	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	5	U
Benzene	1	5	U	5	U	5	U	5	U	5	U
Bromobenzene	5	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	5	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane	50	5	U	5	U	5	U	5	U	5	U
Bromoform	50	5	U	5	U	5	U	5	U	5	U
Bromomethane	5	5	U	5	U	5	U	5	U	5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	5	U	5	U	5	U	5	U	5	U
Chloroethane	5	5	U	5	U	5	U	5	U	5	U
Chloroform	7	2	J	5	U	5	U	5	U	2.7	J
Chloromethane	NC	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	140		5	U	13		3.1	J	5	U

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6B[1]		MW-6A[1]		MW-11		MW-12		MW-13	
Sample ID	Class GA	SL-MW-6B		SL-MW-6A		SL-MW-11		SL-MW-12		SL-MW-13	
Laboratory ID	Groundwater	G2115-12		G2115-10		G2115-01		G2115-06		G2115-07	
Sample Date	Criteria	11/13/08		11/13/08		11/11/08		11/12/08		11/12/08	
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
cis-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	50	5	U	5	U	5	U	5	U	5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	5	U	5	U	5	U	5	U	5	U
Hexachlorobutadiene	0.5	5	U	5	U	5	U	5	U	5	U
Iodomethane	NC	5	U	5	U	5	U	5	U	5	U
Isopropylbenzene	5	5	U	5	U	5	U	5	U	5	U
m,p-Xylene	5	5	U	5	U	5	U	5	U	5	U
Methyl tert-butyl ether	10	5	U	5	U	1.8	J	5	U	5	U
Methylene chloride	5	5	U	5	U	5	U	5	U	5	U
n-Butylbenzene	5	5	U	5	U	5	U	5	U	5	U
n-Propylbenzene	5	5	U	5	U	5	U	5	U	5	U
Naphthalene	10	5	U	5	U	5	U	5	U	5	U
o-Xylene	5	5	U	5	U	5	U	5	U	5	U
sec-Butylbenzene	5	5	U	5	U	5	U	5	U	5	U
Styrene	5	5	U	5	U	5	U	5	U	5	U
tert-Butylbenzene	5	5	U	5	U	5	U	5	U	5	U
Tetrachloroethene	5	470	D	5	U	60		60		1	J
Toluene	5	5	U	5	U	63		5	U	5	U
trans-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U	5	U
Trichloroethene	5	30		5	U	4.8	J	5	U	5	U
Trichlorofluoromethane	5	5	U	5	U	5	U	5	U	5	U
Vinyl acetate	NC	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	5	U	5	U	5	U	5	U	5	U
Xylene (Total)	5	5	U	5	U	5	U	5	U	5	U
Number of TICs		1		1		1		1		1	
Total TICs		28	J	28	J	22	J	26	J	26	J

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
J - Estimated value, VOCs
D - Dilution

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6B[1]		MW-6A[1]		MW-11		MW-12		MW-13	
Sample ID	Class GA	SL-MW-6B		SL-MW-6A		SL-MW-11		SL-MW-12		SL-MW-13	
Laboratory ID	Groundwater	G2115-12		G2115-10		G2115-01		G2115-06		G2115-07	
Sample Date	Criteria	11/13/08		11/13/08		11/11/08		11/12/08		11/12/08	
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
TAL Metals											
Aluminum	NC	7,500		2,390		494		377		417	
Antimony	3	4.6	U	4.6	U	4.6	U	6.2	B	4.6	U
Arsenic	25	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	24.6	B	57.7	B	29.3	B	163	B	47.3	B
Beryllium	3	0.37	B	0.13	U	0.13	U	0.13	U	0.3	B
Cadmium	5	0.88	B*E	1.9	B*E	0.71	B*E	0.83	B*E	53.6	*E
Calcium	NC	22,500		15,600		10,100		19,500		10,500	
Chromium	50	46.6	*	88.8	*	8.9	B*	1,170	*	90	*
Cobalt	NC	8.6	B	28.2	B	1.2	U	6.2	B	5.7	B
Copper	200	96.6		65.3		5	U	33.9		25.7	B
Iron	300	5,950		4,200		1,440		4,720		1,140	
Lead	25	9	B	25.9		6.5	B	4.4	B	5.8	B
Magnesium	35,000	3,600		2,870		2,920		2,930		2,840	
Manganese	300	540		3250		201		600		343	
Mercury	0.7	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U
Nickel	100	12.5	B	196		7.7	B	519		95.4	
Potassium	NC	1,740		9,900		2,560		5,020		3,060	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
Sodium	20,000	15,100		8,730		15,500		40,100		34,300	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	3.3	B	5.3	B	2.2	B	4.6	B	1.4	B
Zinc	2,000	100		125		46.9	B	38	B	106	

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
B - Estimated value, metals
* - Estimated value, duplicate out of range
E - Estimated value due to interference

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-14		MW-16		MW-23S		MW-23D	
Sample ID	Class GA	SL-MW-14		SL-MW-16		SL-MW-23S		SL-MW-23D	
Laboratory ID	Groundwater	G2115-18		G2115-05		G2115-03		G2115-04	
Sample Date	Criteria	11/14/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	5	5	U	5	U	5	U	5	U
1,1,1-Trichloroethane	5	5	U	5	U	1.6	J	5	U
1,1,2,2-Tetrachloroethane	5	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	1	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	5	U	5	U	5	U	5	U
1,1-Dichloropropene	5	5	U	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U
1,2,4-Trimethylbenzene	5	5	U	5	U	5	U	5	U
1,2-Dibromo-3-chloropropane	0.04	5	U	5	U	5	U	5	U
1,2-Dibromoethane	5	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	5	U	5	U	5	U	5	U
1,2-Dichloropropane	1	5	U	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	5	U
1,3-Dichlorobenzene	3	5	U	5	U	5	U	5	U
1,3-Dichloropropane	5	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	5	U
2,2-Dichloropropane	5	5	U	5	U	5	U	5	U
2-Butanone	50	5	U	5	U	5	U	5	U
2-Chlorotoluene	5	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	5	U	5	U	5	U	5	U
4-Isopropyltoluene	5	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NC	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U
Benzene	1	5	U	5	U	5	U	5	U
Bromobenzene	5	5	U	5	U	5	U	5	U
Bromochloromethane	5	5	U	5	U	5	U	5	U
Bromodichloromethane	50	5	U	5	U	5	U	5	U
Bromoform	50	5	U	5	U	5	U	5	U
Bromomethane	5	5	U	5	U	5	U	5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	5	U	5	U	5	U	5	U
Chlorobenzene	5	5	U	5	U	5	U	5	U
Chloroethane	5	5	U	5	U	5	U	5	U
Chloroform	7	5	U	5	U	5	U	5	U
Chloromethane	NC	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	5	U	2.1	J	45		5	U

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-14		MW-16		MW-23S		MW-23D	
Sample ID	Class GA	SL-MW-14		SL-MW-16		SL-MW-23S		SL-MW-23D	
Laboratory ID	Groundwater	G2115-18		G2115-05		G2115-03		G2115-04	
Sample Date	Criteria	11/14/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q
cis-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U
Dibromochloromethane	50	5	U	5	U	5	U	5	U
Dibromomethane	5	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U
Ethylbenzene	5	5	U	5	U	5	U	5	U
Hexachlorobutadiene	0.5	5	U	5	U	5	U	5	U
Iodomethane	NC	5	U	5	U	5	U	5	U
Isopropylbenzene	5	5	U	5	U	5	U	5	U
m,p-Xylene	5	5	U	5	U	5	U	5	U
Methyl tert-butyl ether	10	5	U	5	U	5	U	5	U
Methylene chloride	5	5	U	5	U	5	U	5	U
n-Butylbenzene	5	5	U	5	U	5	U	5	U
n-Propylbenzene	5	5	U	5	U	5	U	5	U
Naphthalene	10	5	U	5	U	5	U	5	U
o-Xylene	5	5	U	5	U	5	U	5	U
sec-Butylbenzene	5	5	U	5	U	5	U	5	U
Styrene	5	5	U	5	U	5	U	5	U
tert-Butylbenzene	5	5	U	5	U	5	U	5	U
Tetrachloroethene	5	5	U	6.9		500	D	7.7	
Toluene	5	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U
Trichloroethene	5	5	U	1.1	J	18		5	U
Trichlorofluoromethane	5	5	U	5	U	5	U	5	U
Vinyl acetate	NC	5	U	5	U	5	U	5	U
Vinyl chloride	2	5	U	5	U	5	U	5	U
Xylene (Total)	5	5	U	5	U	5	U	5	U
Number of TICs		1		1		1		1	
Total TICs		20	J	23	J	21	J	25	J

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
J - Estimated value, VOCs
D - Dilution

APPENDIX C TABLE 1
SERVALL LAUNDRY (SITE # 1-52-077)
NOVEMBER 2008 SAMPLING EVENT
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-14		MW-16		MW-23S		MW-23D	
Sample ID	Class GA	SL-MW-14		SL-MW-16		SL-MW-23S		SL-MW-23D	
Laboratory ID	Groundwater	G2115-18		G2115-05		G2115-03		G2115-04	
Sample Date	Criteria	11/14/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q
TAL Metals									
Aluminum	NC	209		672		109	B	56	U
Antimony	3	4.6	U	4.6	U	4.6	U	4.6	U
Arsenic	25	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	58	B	17.9	B	15.2	B	23.9	B
Beryllium	3	0.13	U	0.13	U	0.13	U	0.13	U
Cadmium	5	2.8	B*E	0.54	B*E	9.4	*E	0.24	B*E
Calcium	NC	16,700		10,000		12,400		17,600	
Chromium	50	59.6	*	184	*	1.1	U*	1.1	U*
Cobalt	NC	1.2	U	1.8	B	1.2	U	1.2	U
Copper	200	8.5	B	9	B	5	U	5	U
Iron	300	821		2,440		544		82.5	B
Lead	25	2.2	U	4.3	B	2.3	B	2.2	U
Magnesium	35,000	2,630		3,530		4,920		3,350	
Manganese	300	35	B	46.3	B	1,230		15.7	B
Mercury	0.7	0.016	U	0.018	B	0.016	U	0.016	U
Nickel	100	79.9		90.1		14.7	B	1.5	U
Potassium	NC	2,150		2,530		1,240		3,110	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.59	U	0.59	U	0.59	U	0.59	U
Sodium	20,000	70,400		33,600		25,500		16,600	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	0.96	U	6	B	1	B	0.96	U
Zinc	2,000	24.7	B	68.8		71.9		17.8	B

Notes:
1 - See Section 4.1 for sample IDs
NC - No criterion
U - Not detected
B - Estimated value, metals
* - Estimated value, duplicate out of range
E - Estimated value due to interference

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 17, 2008

Earth Tech – AECOM
300 Broadacres Drive
Bloomfield, NJ 07003
Attn: Mr. Paul Kareth

RE: Client Project: Multi Site G—Servall
Lab Work Order #: G2115

Dear Mr. Kareth:

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,

Shirley Ng
Project Manager

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

* Data Summary Pack *

Mitkem Laboratories

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

Project Name : Multi Site G – SERVALL **SDG :** G2115

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SL-MW-11	G2115-01	SW8260_W			SW6010_W	
SL-MW-11	G2115-01				SW7470	
TB-1	G2115-02	SW8260_W				
SL-MW-23S	G2115-03	SW8260_W			SW6010_W	
SL-MW-23S	G2115-03				SW7470	
SL-MW-23D	G2115-04	SW8260_W			SW6010_W	
SL-MW-23D	G2115-04				SW7470	
SL-MW-16	G2115-05	SW8260_W			SW6010_W	
SL-MW-16	G2115-05				SW7470	
SL-MW-12	G2115-06	SW8260_W			SW6010_W	
SL-MW-12	G2115-06				SW7470	
SL-MW-13	G2115-07	SW8260_W			SW6010_W	
SL-MW-13	G2115-07				SW7470	
SL-MW-73D	G2115-08	SW8260_W			SW6010_W	
SL-MW-73D	G2115-08				SW7470	
SL-MW-4	G2115-09	SW8260_W			SW6010_W	
SL-MW-4	G2115-09				SW7470	
SL-MW-6B	G2115-10	SW8260_W			SW6010_W	
SL-MW-6B	G2115-10				SW7470	
TB-2	G2115-11	SW8260_W				
SL-MW-6A	G2115-12	SW8260_W			SW6010_W	
SL-MW-6A	G2115-12				SW7470	
SL-MW-5	G2115-13	SW8260_W			SW6010_W	
SL-MW-5	G2115-13				SW7470	
SL-MW-2	G2115-14	SW8260_W			SW6010_W	
SL-MW-2	G2115-14				SW7470	
TB-3	G2115-15	SW8260_W				
SL-MW-3A	G2115-16	SW8260_W			SW6010_W	
SL-MW-3A	G2115-16				SW7470	
SL-MW-3B	G2115-17	SW8260_W			SW6010_W	
SL-MW-3B	G2115-17				SW7470	
SL-MW-14	G2115-18	SW8260_W			SW6010_W	
SL-MW-14	G2115-18				SW7470	

Mitkem Laboratories

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

Project Name : Multi Site G – SERVALL **SDG :** G2115

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G2115-01A	AQ	11/11/2008	11/13/2008	NA	11/20/2008
G2115-02A	AQ	11/11/2008	11/13/2008	NA	11/20/2008
G2115-03A	AQ	11/12/2008	11/13/2008	NA	11/20/2008
G2115-03ADL	AQ	11/12/2008	11/13/2008	NA	11/21/2008
G2115-04A	AQ	11/12/2008	11/13/2008	NA	11/21/2008
G2115-05A	AQ	11/12/2008	11/13/2008	NA	11/21/2008
G2115-06A	AQ	11/12/2008	11/13/2008	NA	11/20/2008
G2115-07A	AQ	11/12/2008	11/13/2008	NA	11/20/2008
G2115-08A	AQ	11/12/2008	11/13/2008	NA	11/20/2008
G2115-09A	AQ	11/13/2008	11/14/2008	NA	11/20/2008
G2115-10A	AQ	11/13/2008	11/14/2008	NA	11/20/2008
G2115-11A	AQ	11/13/2008	11/14/2008	NA	11/20/2008
G2115-12A	AQ	11/13/2008	11/14/2008	NA	11/20/2008
G2115-12ADL	AQ	11/13/2008	11/14/2008	NA	11/21/2008
G2115-13A	AQ	11/13/2008	11/14/2008	NA	11/21/2008
G2115-14A	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-14AMS	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-14AMSD	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-15A	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-16A	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-17A	AQ	11/14/2008	11/15/2008	NA	11/20/2008
G2115-18A	AQ	11/14/2008	11/15/2008	NA	11/21/2008

Mitkem Laboratories

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

Project Name : Multi Site G – SERVALL **SDG :** G2115

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G2115-01A	AQ	SW8260_W	NA	LOW	1
G2115-02A	AQ	SW8260_W	NA	LOW	1
G2115-03A	AQ	SW8260_W	NA	LOW	1
G2115-03ADL	AQ	SW8260_W	NA	LOW	4
G2115-04A	AQ	SW8260_W	NA	LOW	1
G2115-05A	AQ	SW8260_W	NA	LOW	1
G2115-06A	AQ	SW8260_W	NA	LOW	1
G2115-07A	AQ	SW8260_W	NA	LOW	1
G2115-08A	AQ	SW8260_W	NA	LOW	1
G2115-09A	AQ	SW8260_W	NA	LOW	1
G2115-10A	AQ	SW8260_W	NA	LOW	1
G2115-11A	AQ	SW8260_W	NA	LOW	1
G2115-12A	AQ	SW8260_W	NA	LOW	1
G2115-12ADL	AQ	SW8260_W	NA	LOW	4
G2115-13A	AQ	SW8260_W	NA	LOW	10
G2115-14A	AQ	SW8260_W	NA	LOW	1
G2115-14AMS	AQ	SW8260_W	NA	LOW	1
G2115-14AMSD	AQ	SW8260_W	NA	LOW	1
G2115-15A	AQ	SW8260_W	NA	LOW	1
G2115-16A	AQ	SW8260_W	NA	LOW	1
G2115-17A	AQ	SW8260_W	NA	LOW	1
G2115-18A	AQ	SW8260_W	NA	LOW	1

Mitkem Laboratories

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

Project Name : Multi Site G – SERVALL **SDG :** G2115

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
G2115-01B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-03B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-04B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-05B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-06B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-07B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-08B	AQ	SW6010_W	11/13/2008	12/5/2008
G2115-09B	AQ	SW6010_W	11/14/2008	12/5/2008
G2115-10B	AQ	SW6010_W	11/14/2008	12/5/2008
G2115-12B	AQ	SW6010_W	11/14/2008	12/5/2008
G2115-13B	AQ	SW6010_W	11/14/2008	12/5/2008
G2115-14B	AQ	SW6010_W	11/15/2008	12/5/2008
G2115-14BDUP	AQ	SW6010_W	11/15/2008	12/5/2008
G2115-14BMS	AQ	SW6010_W	11/15/2008	12/5/2008
G2115-16B	AQ	SW6010_W	11/15/2008	12/5/2008
G2115-17B	AQ	SW6010_W	11/15/2008	12/5/2008
G2115-18B	AQ	SW6010_W	11/15/2008	12/5/2008
SW7470				
G2115-01B	AQ	SW7470	11/13/2008	12/4/2008
G2115-03B	AQ	SW7470	11/13/2008	12/4/2008
G2115-04B	AQ	SW7470	11/13/2008	12/4/2008
G2115-05B	AQ	SW7470	11/13/2008	12/4/2008
G2115-06B	AQ	SW7470	11/13/2008	12/4/2008
G2115-07B	AQ	SW7470	11/13/2008	12/4/2008
G2115-08B	AQ	SW7470	11/13/2008	12/4/2008
G2115-09B	AQ	SW7470	11/14/2008	12/4/2008
G2115-10B	AQ	SW7470	11/14/2008	12/4/2008
G2115-12B	AQ	SW7470	11/14/2008	12/4/2008
G2115-13B	AQ	SW7470	11/14/2008	12/4/2008
G2115-14B	AQ	SW7470	11/15/2008	12/4/2008
G2115-14BDUP	AQ	SW7470	11/15/2008	12/4/2008
G2115-14BMS	AQ	SW7470	11/15/2008	12/4/2008
G2115-16B	AQ	SW7470	11/15/2008	12/4/2008
G2115-17B	AQ	SW7470	11/15/2008	12/4/2008
G2115-18B	AQ	SW7470	11/15/2008	12/4/2008

Analytical Data Package for Earth Tech Northeast, Inc.

Client Project: Multi Site G—Servall

SDG# MG2115

Mitkem Work Order ID: G2115

December 17, 2008

Prepared For:

Earth Tech – AECOM
300 Broadacres Drive
Bloomfield, NJ 07003
Attn: Mr. Paul Kareth

Prepared By:

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

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to Earth Tech Northeast, Inc.'s Multi Site G—Servall project. Under this deliverable, analysis results are presented for eighteen aqueous samples that were received between November 13, 2008 to November 15, 2008. Analyses were performed per specifications in the project's contract and chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing sample client ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000update) 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.
- M6 software did not integrate peak
- M7 partial peak integration

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample SL-MW-2. Spike recoveries were within the QC limits with the exception of acetone in the MS. Replicate RPDs were within the QC limits with the exception of acetone.

Sample analysis: due to high concentration of target analytes, sample SL-MW-2 was initially analyzed at 10x dilution. Sample SL-MW-23S and sample SL-MW-6A were re-analyzed at 4x dilution. No other unusual observation was made for the analysis.

3. Metals analysis:

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

Matrix spike analysis: matrix spike was performed on sample SL-MW-2. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate analysis was performed on sample SL-MW-2. Percent recoveries were within the QC limits with the exception of cadmium and chromium. These elements are flagged with a "*" on the data reporting forms.

Sample analysis: serial dilution was performed on sample SL-MW-2. Percent differences were within the QC limits with the exception of cadmium. This element is flagged with an "E" on the data reporting forms. No other unusual occurrences were noted during sample analysis.

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

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

Shirley Ng
Project Manager
12/17/08

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

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample SL-MW-2. Spike recoveries were within the QC limits with the exception of acetone in the MS. Replicate RPDs were within the QC limits with the exception of acetone.

Sample analysis: due to high concentration of target analytes, sample SL-MW-5 was initially analyzed at 10x dilution. Sample SL-MW-23S and sample SL-MW-6A were re-analyzed at 4x dilution. No other unusual observation was made for the analysis.

3. Metals analysis:

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

Matrix spike analysis: matrix spike was performed on sample SL-MW-2. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate analysis was performed on sample SL-MW-2. Percent recoveries were within the QC limits with the exception of cadmium and chromium. These elements are flagged with a "*" on the data reporting forms.

Sample analysis: serial dilution was performed on sample SL-MW-2. Percent differences were within the QC limits with the exception of cadmium. This element is flagged with an "E" on the data reporting forms. No other unusual occurrences were noted during sample analysis.

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

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

Shirley Ng
Project Manager
12/17/08

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-11

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1752.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	1.8	J
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	13	
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	4.8	J
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	63	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-11

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1752.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	60	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-11

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1752.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.756	22	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1763.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1763.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1763.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.757	30	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1753.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	45	
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	1.6	J
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	18	
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1753.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	480	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-23S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1753.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.762	21	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23SDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1811.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
67-64-1	Acetone	20	U
74-88-4	Iodomethane	20	U
75-15-0	Carbon disulfide	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
108-05-4	Vinyl acetate	20	U
78-93-3	2-Butanone	20	U
156-59-2	cis-1,2-Dichloroethene	41	D
594-20-7	2,2-Dichloropropane	20	U
74-97-5	Bromochloromethane	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
563-58-6	1,1-Dichloropropene	20	U
56-23-5	Carbon tetrachloride	20	U
107-06-2	1,2-Dichloroethane	20	U
71-43-2	Benzene	20	U
79-01-6	Trichloroethene	17	DJ
78-87-5	1,2-Dichloropropane	20	U
74-95-3	Dibromomethane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
142-28-9	1,3-Dichloropropane	20	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23SDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1811.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	500	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
630-20-6	1,1,1,2-Tetrachloroethane	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-86-1	Bromobenzene	20	U
96-18-4	1,2,3-Trichloropropane	20	U
103-65-1	n-Propylbenzene	20	U
95-49-8	2-Chlorotoluene	20	U
108-67-8	1,3,5-Trimethylbenzene	20	U
106-43-4	4-Chlorotoluene	20	U
98-06-6	tert-Butylbenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	20	U
135-98-8	sec-Butylbenzene	20	U
99-87-6	4-Isopropyltoluene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
104-51-8	n-Butylbenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
87-68-3	Hexachlorobutadiene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U

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1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-23SDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-03ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1811.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.752	67	DJ
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1828.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-23D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1828.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	7.7	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-23D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1828.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.750	25	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-16

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1829.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.1	J
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	1.1	J
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-16

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1829.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	6.9	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-16

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1829.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.752	23	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1767.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	3.1	J
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1767.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	60	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1767.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.756	26	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-13

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1768.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	2.7	J
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-13

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1768.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-13

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1768.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.762	26	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-73D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1769.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-73D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1769.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	7.4	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-73D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1769.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/13/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.757	27	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-4

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1770.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-4

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G2115-09A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V1K1770.D

Level: (TRACE/LOW/MED) LOW

Date Received: 11/14/2008

% Moisture: not dec.

Date Analyzed: 11/20/2008

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-4

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1770.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.762	28	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1771.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1771.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1771.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.766	28	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1764.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1764.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1764.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.762	26	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1772.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	140	
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	2.0	J
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1772.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	470	E
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1772.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.763	28	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6ADL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1832.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
67-64-1	Acetone	20	U
74-88-4	Iodomethane	20	U
75-15-0	Carbon disulfide	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
108-05-4	Vinyl acetate	20	U
78-93-3	2-Butanone	20	U
156-59-2	cis-1,2-Dichloroethene	130	D
594-20-7	2,2-Dichloropropane	20	U
74-97-5	Bromochloromethane	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
563-58-6	1,1-Dichloropropene	20	U
56-23-5	Carbon tetrachloride	20	U
107-06-2	1,2-Dichloroethane	20	U
71-43-2	Benzene	20	U
79-01-6	Trichloroethene	26	D
78-87-5	1,2-Dichloropropane	20	U
74-95-3	Dibromomethane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
142-28-9	1,3-Dichloropropane	20	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-6ADL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1832.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	470	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
630-20-6	1,1,1,2-Tetrachloroethane	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	m,p-Xylene	20	U
95-47-6	o-Xylene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-86-1	Bromobenzene	20	U
96-18-4	1,2,3-Trichloropropane	20	U
103-65-1	n-Propylbenzene	20	U
95-49-8	2-Chlorotoluene	20	U
108-67-8	1,3,5-Trimethylbenzene	20	U
106-43-4	4-Chlorotoluene	20	U
98-06-6	tert-Butylbenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	20	U
135-98-8	sec-Butylbenzene	20	U
99-87-6	4-Isopropyltoluene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
104-51-8	n-Butylbenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
87-68-3	Hexachlorobutadiene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U

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1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-6ADL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-12ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1832.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.742	110	DJ
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1835.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	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	170	
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	38	J
156-59-2	cis-1,2-Dichloroethene	50	U
594-20-7	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	50	U
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	1200	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
142-28-9	1,3-Dichloropropane	50	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1835.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	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	50	U
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
99-87-6	4-Isopropyltoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-5

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1835.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/14/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.747	330	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1777.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	1.7	J
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.4	J
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1777.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1777.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.761	38	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2MS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1778.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	67	
74-87-3	Chloromethane	57	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	55	
75-69-4	Trichlorofluoromethane	58	
75-35-4	1,1-Dichloroethene	57	
67-64-1	Acetone	83	
74-88-4	Iodomethane	52	
75-15-0	Carbon disulfide	79	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	54	
108-05-4	Vinyl acetate	54	
78-93-3	2-Butanone	57	
156-59-2	cis-1,2-Dichloroethene	54	
594-20-7	2,2-Dichloropropane	54	
74-97-5	Bromochloromethane	56	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	56	
563-58-6	1,1-Dichloropropene	55	
56-23-5	Carbon tetrachloride	54	
107-06-2	1,2-Dichloroethane	56	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	54	
74-95-3	Dibromomethane	57	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	59	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	57	
142-28-9	1,3-Dichloropropane	57	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2MS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1778.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	59	
591-78-6	2-Hexanone	62	
124-48-1	Dibromochloromethane	55	
106-93-4	1,2-Dibromoethane	58	
108-90-7	Chlorobenzene	56	
630-20-6	1,1,1,2-Tetrachloroethane	55	
100-41-4	Ethylbenzene	56	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	56	
1330-20-7	Xylene (Total)	170	
100-42-5	Styrene	56	
75-25-2	Bromoform	52	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	56	
108-86-1	Bromobenzene	53	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	53	
95-49-8	2-Chlorotoluene	53	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	55	
98-06-6	tert-Butylbenzene	54	
95-63-6	1,2,4-Trimethylbenzene	53	
135-98-8	sec-Butylbenzene	52	
99-87-6	4-Isopropyltoluene	53	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	54	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	49	
87-68-3	Hexachlorobutadiene	45	
87-61-6	1,2,3-Trichlorobenzene	45	
91-20-3	Naphthalene	48	

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2MSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1779.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	61	
74-87-3	Chloromethane	55	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	57	
67-64-1	Acetone	53	
74-88-4	Iodomethane	53	
75-15-0	Carbon disulfide	78	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	54	
108-05-4	Vinyl acetate	53	
78-93-3	2-Butanone	55	
156-59-2	cis-1,2-Dichloroethene	55	
594-20-7	2,2-Dichloropropane	53	
74-97-5	Bromochloromethane	56	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	56	
563-58-6	1,1-Dichloropropene	54	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	56	
71-43-2	Benzene	56	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	55	
74-95-3	Dibromomethane	56	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	58	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	56	
142-28-9	1,3-Dichloropropane	55	

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-2MSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-14AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1779.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	58	
591-78-6	2-Hexanone	57	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	56	
108-90-7	Chlorobenzene	55	
630-20-6	1,1,1,2-Tetrachloroethane	54	
100-41-4	Ethylbenzene	55	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	55	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	54	
75-25-2	Bromoform	50	
98-82-8	Isopropylbenzene	54	
79-34-5	1,1,2,2-Tetrachloroethane	55	
108-86-1	Bromobenzene	54	
96-18-4	1,2,3-Trichloropropane	44	
103-65-1	n-Propylbenzene	52	
95-49-8	2-Chlorotoluene	54	
108-67-8	1,3,5-Trimethylbenzene	53	
106-43-4	4-Chlorotoluene	53	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	53	
135-98-8	sec-Butylbenzene	51	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	54	
96-12-8	1,2-Dibromo-3-chloropropane	55	
120-82-1	1,2,4-Trichlorobenzene	51	
87-68-3	Hexachlorobutadiene	47	
87-61-6	1,2,3-Trichlorobenzene	47	
91-20-3	Naphthalene	49	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1799.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1799.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1799.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.757	21	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-3A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-16A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1801.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-3A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-16A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1801.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-3A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-16A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1801.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.763	19	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-3B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-17A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1802.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-3B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-17A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1802.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-3B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-17A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1802.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.761	19	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-14

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-18A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1803.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-MW-14

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-18A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1803.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-MW-14

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2115-18A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1803.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/15/2008

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.759	20	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1734.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	59	
74-87-3	Chloromethane	53	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	54	
67-64-1	Acetone	54	
74-88-4	Iodomethane	50	
75-15-0	Carbon disulfide	51	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	53	
108-05-4	Vinyl acetate	58	
78-93-3	2-Butanone	59	
156-59-2	cis-1,2-Dichloroethene	53	
594-20-7	2,2-Dichloropropane	53	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	48	
56-23-5	Carbon tetrachloride	51	
107-06-2	1,2-Dichloroethane	57	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	54	
74-95-3	Dibromomethane	57	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	60	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	56	
142-28-9	1,3-Dichloropropane	58	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1734.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	54	
591-78-6	2-Hexanone	59	
124-48-1	Dibromochloromethane	56	
106-93-4	1,2-Dibromoethane	57	
108-90-7	Chlorobenzene	54	
630-20-6	1,1,1,2-Tetrachloroethane	54	
100-41-4	Ethylbenzene	54	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	53	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	56	
75-25-2	Bromoform	58	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	56	
108-86-1	Bromobenzene	52	
96-18-4	1,2,3-Trichloropropane	57	
103-65-1	n-Propylbenzene	49	
95-49-8	2-Chlorotoluene	51	
108-67-8	1,3,5-Trimethylbenzene	51	
106-43-4	4-Chlorotoluene	51	
98-06-6	tert-Butylbenzene	52	
95-63-6	1,2,4-Trimethylbenzene	52	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
104-51-8	n-Butylbenzene	49	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	48	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	43	
91-20-3	Naphthalene	46	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1735.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	56	
75-01-4	Vinyl chloride	56	
74-83-9	Bromomethane	53	
75-00-3	Chloroethane	56	
75-69-4	Trichlorofluoromethane	60	
75-35-4	1,1-Dichloroethene	53	
67-64-1	Acetone	42	
74-88-4	Iodomethane	54	
75-15-0	Carbon disulfide	57	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	55	
108-05-4	Vinyl acetate	56	
78-93-3	2-Butanone	50	
156-59-2	cis-1,2-Dichloroethene	54	
594-20-7	2,2-Dichloropropane	57	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	56	
71-55-6	1,1,1-Trichloroethane	56	
563-58-6	1,1-Dichloropropene	53	
56-23-5	Carbon tetrachloride	54	
107-06-2	1,2-Dichloroethane	56	
71-43-2	Benzene	55	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	55	
74-95-3	Dibromomethane	56	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	56	
108-10-1	4-Methyl-2-pentanone	53	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	56	
79-00-5	1,1,2-Trichloroethane	54	
142-28-9	1,3-Dichloropropane	55	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1735.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	56	
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	55	
106-93-4	1,2-Dibromoethane	54	
108-90-7	Chlorobenzene	56	
630-20-6	1,1,1,2-Tetrachloroethane	55	
100-41-4	Ethylbenzene	55	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	55	
1330-20-7	Xylene (Total)	170	
100-42-5	Styrene	57	
75-25-2	Bromoform	55	
98-82-8	Isopropylbenzene	56	
79-34-5	1,1,2,2-Tetrachloroethane	53	
108-86-1	Bromobenzene	54	
96-18-4	1,2,3-Trichloropropane	53	
103-65-1	n-Propylbenzene	52	
95-49-8	2-Chlorotoluene	54	
108-67-8	1,3,5-Trimethylbenzene	55	
106-43-4	4-Chlorotoluene	55	
98-06-6	tert-Butylbenzene	56	
95-63-6	1,2,4-Trimethylbenzene	55	
135-98-8	sec-Butylbenzene	54	
99-87-6	4-Isopropyltoluene	55	
541-73-1	1,3-Dichlorobenzene	54	
106-46-7	1,4-Dichlorobenzene	54	
104-51-8	n-Butylbenzene	54	
95-50-1	1,2-Dichlorobenzene	54	
96-12-8	1,2-Dibromo-3-chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	51	
87-68-3	Hexachlorobutadiene	50	
87-61-6	1,2,3-Trichlorobenzene	49	
91-20-3	Naphthalene	48	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1760.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	52	
75-01-4	Vinyl chloride	53	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	56	
75-35-4	1,1-Dichloroethene	56	
67-64-1	Acetone	42	
74-88-4	Iodomethane	52	
75-15-0	Carbon disulfide	55	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	53	
108-05-4	Vinyl acetate	52	
78-93-3	2-Butanone	46	
156-59-2	cis-1,2-Dichloroethene	52	
594-20-7	2,2-Dichloropropane	43	
74-97-5	Bromochloromethane	52	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	50	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	53	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	53	
74-95-3	Dibromomethane	51	
75-27-4	Bromodichloromethane	52	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	47	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	53	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1760.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	55	
591-78-6	2-Hexanone	47	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	53	
108-90-7	Chlorobenzene	54	
630-20-6	1,1,1,2-Tetrachloroethane	53	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	54	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	55	
75-25-2	Bromoform	46	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	52	
96-18-4	1,2,3-Trichloropropane	44	
103-65-1	n-Propylbenzene	51	
95-49-8	2-Chlorotoluene	53	
108-67-8	1,3,5-Trimethylbenzene	53	
106-43-4	4-Chlorotoluene	52	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	53	
135-98-8	sec-Butylbenzene	51	
99-87-6	4-Isopropyltoluene	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
104-51-8	n-Butylbenzene	49	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-chloropropane	46	
120-82-1	1,2,4-Trichlorobenzene	46	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	40	
91-20-3	Naphthalene	40	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1761.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	61	
74-87-3	Chloromethane	55	
75-01-4	Vinyl chloride	55	
74-83-9	Bromomethane	53	
75-00-3	Chloroethane	57	
75-69-4	Trichlorofluoromethane	59	
75-35-4	1,1-Dichloroethene	59	
67-64-1	Acetone	46	
74-88-4	Iodomethane	56	
75-15-0	Carbon disulfide	57	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	54	
108-05-4	Vinyl acetate	53	
78-93-3	2-Butanone	50	
156-59-2	cis-1,2-Dichloroethene	55	
594-20-7	2,2-Dichloropropane	45	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	55	
563-58-6	1,1-Dichloropropene	52	
56-23-5	Carbon tetrachloride	54	
107-06-2	1,2-Dichloroethane	54	
71-43-2	Benzene	55	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	55	
74-95-3	Dibromomethane	54	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	49	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	54	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1761.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	57	
591-78-6	2-Hexanone	49	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	53	
108-90-7	Chlorobenzene	55	
630-20-6	1,1,1,2-Tetrachloroethane	55	
100-41-4	Ethylbenzene	55	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	55	
1330-20-7	Xylene (Total)	170	
100-42-5	Styrene	56	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	55	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	53	
96-18-4	1,2,3-Trichloropropane	44	
103-65-1	n-Propylbenzene	53	
95-49-8	2-Chlorotoluene	54	
108-67-8	1,3,5-Trimethylbenzene	54	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	54	
95-63-6	1,2,4-Trimethylbenzene	54	
135-98-8	sec-Butylbenzene	53	
99-87-6	4-Isopropyltoluene	53	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	47	
120-82-1	1,2,4-Trichlorobenzene	48	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	43	
91-20-3	Naphthalene	43	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1YLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1794.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	62	
74-87-3	Chloromethane	52	
75-01-4	Vinyl chloride	52	
74-83-9	Bromomethane	48	
75-00-3	Chloroethane	52	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	55	
67-64-1	Acetone	47	
74-88-4	Iodomethane	50	
75-15-0	Carbon disulfide	52	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	52	
108-05-4	Vinyl acetate	53	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	52	
594-20-7	2,2-Dichloropropane	49	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	51	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	53	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	53	
74-95-3	Dibromomethane	54	
75-27-4	Bromodichloromethane	52	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	54	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	55	
142-28-9	1,3-Dichloropropane	53	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1YLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1794.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	56	
591-78-6	2-Hexanone	53	
124-48-1	Dibromochloromethane	50	
106-93-4	1,2-Dibromoethane	54	
108-90-7	Chlorobenzene	53	
630-20-6	1,1,1,2-Tetrachloroethane	53	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	54	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	54	
75-25-2	Bromoform	46	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	52	
108-86-1	Bromobenzene	53	
96-18-4	1,2,3-Trichloropropane	44	
103-65-1	n-Propylbenzene	51	
95-49-8	2-Chlorotoluene	52	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	52	
95-63-6	1,2,4-Trimethylbenzene	52	
135-98-8	sec-Butylbenzene	51	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	52	
104-51-8	n-Butylbenzene	50	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	46	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	42	
91-20-3	Naphthalene	43	

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1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1YLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1795.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	58	
74-87-3	Chloromethane	53	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	55	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	56	
67-64-1	Acetone	46	
74-88-4	Iodomethane	53	
75-15-0	Carbon disulfide	77	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl tert-butyl ether	54	
75-34-3	1,1-Dichloroethane	53	
108-05-4	Vinyl acetate	54	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	54	
594-20-7	2,2-Dichloropropane	49	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	52	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	53	
71-43-2	Benzene	54	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	54	
74-95-3	Dibromomethane	54	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	54	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	55	
142-28-9	1,3-Dichloropropane	55	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1YLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1795.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	57	
591-78-6	2-Hexanone	55	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	55	
108-90-7	Chlorobenzene	54	
630-20-6	1,1,1,2-Tetrachloroethane	54	
100-41-4	Ethylbenzene	54	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	54	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	55	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	53	
108-86-1	Bromobenzene	54	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	52	
95-49-8	2-Chlorotoluene	53	
108-67-8	1,3,5-Trimethylbenzene	53	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	54	
95-63-6	1,2,4-Trimethylbenzene	54	
135-98-8	sec-Butylbenzene	52	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	52	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	49	
87-68-3	Hexachlorobutadiene	48	
87-61-6	1,2,3-Trichlorobenzene	45	
91-20-3	Naphthalene	47	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1ZLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1824.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	47	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	51	
75-35-4	1,1-Dichloroethene	52	
67-64-1	Acetone	41	
74-88-4	Iodomethane	50	
75-15-0	Carbon disulfide	50	
75-09-2	Methylene chloride	49	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl ether	47	
75-34-3	1,1-Dichloroethane	49	
108-05-4	Vinyl acetate	47	
78-93-3	2-Butanone	46	
156-59-2	cis-1,2-Dichloroethene	50	
594-20-7	2,2-Dichloropropane	38	
74-97-5	Bromochloromethane	50	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	50	
563-58-6	1,1-Dichloropropene	48	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	49	
71-43-2	Benzene	50	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	49	
74-95-3	Dibromomethane	49	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	47	
108-10-1	4-Methyl-2-pentanone	45	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	45	
79-00-5	1,1,2-Trichloroethane	49	
142-28-9	1,3-Dichloropropane	50	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1ZLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1824.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	53	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	50	
100-41-4	Ethylbenzene	51	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	51	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	51	
75-25-2	Bromoform	42	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	48	
108-86-1	Bromobenzene	50	
96-18-4	1,2,3-Trichloropropane	41	
103-65-1	n-Propylbenzene	50	
95-49-8	2-Chlorotoluene	50	
108-67-8	1,3,5-Trimethylbenzene	50	
106-43-4	4-Chlorotoluene	51	
98-06-6	tert-Butylbenzene	51	
95-63-6	1,2,4-Trimethylbenzene	50	
135-98-8	sec-Butylbenzene	49	
99-87-6	4-Isopropyltoluene	48	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	49	
104-51-8	n-Butylbenzene	45	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	42	
120-82-1	1,2,4-Trichlorobenzene	43	
87-68-3	Hexachlorobutadiene	42	
87-61-6	1,2,3-Trichlorobenzene	38	
91-20-3	Naphthalene	37	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1ZLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1825.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	44	
74-87-3	Chloromethane	51	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	55	
67-64-1	Acetone	46	
74-88-4	Iodomethane	51	
75-15-0	Carbon disulfide	51	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	52	
108-05-4	Vinyl acetate	50	
78-93-3	2-Butanone	51	
156-59-2	cis-1,2-Dichloroethene	53	
594-20-7	2,2-Dichloropropane	39	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	52	
563-58-6	1,1-Dichloropropene	51	
56-23-5	Carbon tetrachloride	51	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	53	
74-95-3	Dibromomethane	53	
75-27-4	Bromodichloromethane	52	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	52	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1ZLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1825.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	55	
591-78-6	2-Hexanone	49	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	53	
108-90-7	Chlorobenzene	53	
630-20-6	1,1,1,2-Tetrachloroethane	52	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	53	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	54	
75-25-2	Bromoform	45	
98-82-8	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	50	
108-86-1	Bromobenzene	52	
96-18-4	1,2,3-Trichloropropane	42	
103-65-1	n-Propylbenzene	50	
95-49-8	2-Chlorotoluene	50	
108-67-8	1,3,5-Trimethylbenzene	51	
106-43-4	4-Chlorotoluene	52	
98-06-6	tert-Butylbenzene	52	
95-63-6	1,2,4-Trimethylbenzene	50	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	50	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	50	
104-51-8	n-Butylbenzene	47	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	44	
87-68-3	Hexachlorobutadiene	45	
87-61-6	1,2,3-Trichlorobenzene	42	
91-20-3	Naphthalene	42	

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-11

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-01

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	494			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	29.3	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.71	B	*E	P
7440-70-2	Calcium	10100			P
7440-47-3	Chromium	8.9	B	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	1440			P
7439-92-1	Lead	6.5	B		P
7439-95-4	Magnesium	2920			P
7439-96-5	Manganese	201			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	7.7	B		P
7440-09-7	Potassium	2560			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	15500			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	46.9	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-12

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-06

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	377			P
7440-36-0	Antimony	6.2	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	163	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.83	B	*E	P
7440-70-2	Calcium	19500			P
7440-47-3	Chromium	1170		*	P
7440-48-4	Cobalt	6.2	B		P
7440-50-8	Copper	33.9			P
7439-89-6	Iron	4720			P
7439-92-1	Lead	4.4	B		P
7439-95-4	Magnesium	2930			P
7439-96-5	Manganese	600			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	519			P
7440-09-7	Potassium	5020			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	40100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	4.6	B		P
7440-66-6	Zinc	38.0	B		P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-13

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-07

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	417			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	47.3	B		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	53.6		*E	P
7440-70-2	Calcium	10500			P
7440-47-3	Chromium	90.0		*	P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	25.7	B		P
7439-89-6	Iron	1140			P
7439-92-1	Lead	5.8	B		P
7439-95-4	Magnesium	2840			P
7439-96-5	Manganese	343			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	95.4			P
7440-09-7	Potassium	3060			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	34300			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	106			P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-14

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-18

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	209			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	58.0	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	2.8	B	*E	P
7440-70-2	Calcium	16700			P
7440-47-3	Chromium	59.6		*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	8.5	B		P
7439-89-6	Iron	821			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	2630			P
7439-96-5	Manganese	35.0	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	79.9			P
7440-09-7	Potassium	2150			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	70400			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	24.7	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-16

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-05

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	672			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	17.9	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.54	B	*E	P
7440-70-2	Calcium	10000			P
7440-47-3	Chromium	184		*	P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	9.0	B		P
7439-89-6	Iron	2440			P
7439-92-1	Lead	4.3	B		P
7439-95-4	Magnesium	3530			P
7439-96-5	Manganese	46.3	B		P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	90.1			P
7440-09-7	Potassium	2530			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	33600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	6.0	B		P
7440-66-6	Zinc	68.8			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-2

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-14

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	266			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	17.5	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	8.8		*E	P
7440-70-2	Calcium	15300			P
7440-47-3	Chromium	113		*	P
7440-48-4	Cobalt	20.4	B		P
7440-50-8	Copper	18.4	B		P
7439-89-6	Iron	3120			P
7439-92-1	Lead	3.3	B		P
7439-95-4	Magnesium	1250			P
7439-96-5	Manganese	396			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1390			P
7440-09-7	Potassium	1980			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	14600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	44.4	B		P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-23D

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-04

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	23.9	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.24	B	*E	P
7440-70-2	Calcium	17600			P
7440-47-3	Chromium	1.1	U	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	82.5	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3350			P
7439-96-5	Manganese	15.7	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	3110			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	16600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	17.8	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-23S

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-03

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	109	B		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	15.2	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	9.4		*E	P
7440-70-2	Calcium	12400			P
7440-47-3	Chromium	1.1	U	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	544			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	4920			P
7439-96-5	Manganese	1230			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	14.7	B		P
7440-09-7	Potassium	1240			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	25500			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.0	B		P
7440-66-6	Zinc	71.9			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-3A

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-16

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1630			P
7440-36-0	Antimony	5.1	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	83.9	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	5.9		*E	P
7440-70-2	Calcium	15000			P
7440-47-3	Chromium	36.3		*	P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	66.2			P
7439-89-6	Iron	3040			P
7439-92-1	Lead	33.1			P
7439-95-4	Magnesium	2130			P
7439-96-5	Manganese	1840			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	22.1	B		P
7440-09-7	Potassium	2550			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	9900			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	8.0	B		P
7440-66-6	Zinc	594			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-3B

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-17

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2030			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	31.5	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	2.2	B	*E	P
7440-70-2	Calcium	9700			P
7440-47-3	Chromium	624		*	P
7440-48-4	Cobalt	14.9	B		P
7440-50-8	Copper	74.7			P
7439-89-6	Iron	4610			P
7439-92-1	Lead	14.4			P
7439-95-4	Magnesium	1490			P
7439-96-5	Manganese	447			P
7439-97-6	Mercury	0.051	B		CV
7440-02-0	Nickel	540			P
7440-09-7	Potassium	3040			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	6730			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	191			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-4

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-09

Level (low/med): MED Date Received: 11/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1450			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	46.7	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	6.1		*E	P
7440-70-2	Calcium	52000			P
7440-47-3	Chromium	321		*	P
7440-48-4	Cobalt	21.4	B		P
7440-50-8	Copper	28.6	B		P
7439-89-6	Iron	3280			P
7439-92-1	Lead	5.2	B		P
7439-95-4	Magnesium	3820			P
7439-96-5	Manganese	1390			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1860			P
7440-09-7	Potassium	4170			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	39000			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	63.4			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-5

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-13

Level (low/med): MED Date Received: 11/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	383			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	8.0	B		P
7440-39-3	Barium	233			P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.41	B	*E	P
7440-70-2	Calcium	31400			P
7440-47-3	Chromium	116		*	P
7440-48-4	Cobalt	24.6	B		P
7440-50-8	Copper	10.3	B		P
7439-89-6	Iron	49400			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	5590			P
7439-96-5	Manganese	1830			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	49.0	B		P
7440-09-7	Potassium	13900			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	59200			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	3.5	B		P
7440-66-6	Zinc	35.2	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-6A

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-12

Level (low/med): MED Date Received: 11/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7500			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	24.6	B		P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	0.88	B	*E	P
7440-70-2	Calcium	22500			P
7440-47-3	Chromium	46.6		*	P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	96.6			P
7439-89-6	Iron	5950			P
7439-92-1	Lead	9.0	B		P
7439-95-4	Magnesium	3600			P
7439-96-5	Manganese	540			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	12.5	B		P
7440-09-7	Potassium	1740			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	15100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	100			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-6B

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-10

Level (low/med): MED Date Received: 11/14/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2390			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	57.7	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	1.9	B	*E	P
7440-70-2	Calcium	15600			P
7440-47-3	Chromium	88.8		*	P
7440-48-4	Cobalt	28.2	B		P
7440-50-8	Copper	65.3			P
7439-89-6	Iron	4200			P
7439-92-1	Lead	25.9			P
7439-95-4	Magnesium	2870			P
7439-96-5	Manganese	3250			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	196			P
7440-09-7	Potassium	9900			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	8730			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	5.3	B		P
7440-66-6	Zinc	125			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-73D

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Lab Sample ID: G2115-08

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	28.2	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.23	B	*E	P
7440-70-2	Calcium	17300			P
7440-47-3	Chromium	1.1	B	*	P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	119	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3340			P
7439-96-5	Manganese	20.6	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	3020			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	16200			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	25.8	B		P

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: LCS-40501

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9588.10	105.4						
Antimony	455.0	497.36	109.3						
Arsenic	455.0	505.63	111.1						
Barium	9100.0	9471.44	104.1						
Beryllium	227.0	246.26	108.5						
Cadmium	227.0	245.97	108.4						
Calcium	22700.0	24026.49	105.8						
Chromium	910.0	970.21	106.6						
Cobalt	2270.0	2397.19	105.6						
Copper	1130.0	1201.06	106.3						
Iron	4550.0	4958.60	109.0						
Lead	455.0	497.69	109.4						
Magnesium	22700.0	24405.57	107.5						
Manganese	2270.0	2452.99	108.1						
Nickel	2270.0	2404.28	105.9						
Potassium	22700.0	23457.82	103.3						
Selenium	455.0	497.62	109.4						
Silver	1130.0	1210.45	107.1						
Sodium	22700.0	23633.16	104.1						
Thallium	455.0	479.38	105.4						
Vanadium	2270.0	2410.02	106.2						
Zinc	2270.0	2426.86	106.9						

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-40505

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury	4.6	4.31	93.7						

FORM VII - IN SW846

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1W	98	95	102	101				0
02	V1WLCS	99	99	103	104				0
03	V1WLCSD	100	96	102	101				0
04	SL-MW-11	98	94	101	98				0
05	SL-MW-23S	94	93	102	97				0
06	VBLK1X	97	95	101	96				0
07	V1XLCS	97	94	103	99				0
08	V1XLCSD	98	103	103	102				0
09	TB-1	98	97	104	100				0
10	TB-2	98	95	102	99				0
11	SL-MW-12	101	97	102	96				0
12	SL-MW-13	98	96	102	100				0
13	SL-MW-73D	94	89	104	97				0
14	SL-MW-4	98	99	100	97				0
15	SL-MW-6B	98	100	102	101				0
16	SL-MW-6A	99	99	99	98				0
17	SL-MW-2	97	100	102	100				0
18	SL-MW-2MS	98	109	103	100				0
19	SL-MW-2MSD	99	100	100	100				0
20	VBLK1Y	97	98	100	99				0
21	V1YLCS	97	103	101	100				0
22	V1YLCSD	97	98	100	101				0
23	TB-3	98	97	102	100				0
24	SL-MW-3A	98	98	101	99				0
25	SL-MW-3B	97	97	102	97				0
26	SL-MW-14	96	99	103	97				0
27	SL-MW-23SDL	96	95	101	96				0
28	VBLK1Z	98	98	101	97				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SW846

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
29	V1ZLCS	96	99	102	100				0
30	V1ZLCSD	97	99	100	101				0
31	SL-MW-23D	99	97	101	98				0
32	SL-MW-16	98	96	99	96				0
33	SL-MW-6ADL	97	99	100	99				0
34	SL-MW-5	99	101	100	96				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix Spike - EPA Sample No.: SL-MW-2

Instrument ID: V1 GC Column : DB-624 ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	66.6378	133		30-155
Chloromethane	50.0000	0.0000	56.8498	114		40-125
Vinyl chloride	50.0000	0.0000	54.0398	108		50-145
Bromomethane	50.0000	0.0000	51.3880	103		30-145
Chloroethane	50.0000	0.0000	55.3099	111		60-135
Trichlorofluoromethane	50.0000	0.0000	58.3699	117		60-145
1,1-Dichloroethene	50.0000	0.0000	56.7229	113		70-130
Acetone	50.0000	0.0000	82.7977	166	*	40-140
Iodomethane	50.0000	0.0000	51.6974	103		72-121
Carbon disulfide	50.0000	0.0000	79.4022	159		35-160
Methylene chloride	50.0000	0.0000	53.5579	107		55-140
trans-1,2-Dichloroethene	50.0000	0.0000	54.1746	108		60-140
Methyl tert-butyl ether	50.0000	0.0000	57.6290	115		65-125
1,1-Dichloroethane	50.0000	0.0000	54.4646	109		70-135
Vinyl acetate	50.0000	0.0000	53.7742	108		38-163
2-Butanone	50.0000	0.0000	57.2476	114		30-150
cis-1,2-Dichloroethene	50.0000	0.0000	54.4796	109		70-125
2,2-Dichloropropane	50.0000	0.0000	54.2598	109		70-135
Bromochloromethane	50.0000	0.0000	56.3977	113		65-130
Chloroform	50.0000	0.0000	54.2174	108		65-135
1,1,1-Trichloroethane	50.0000	0.0000	55.6714	111		65-130
1,1-Dichloropropene	50.0000	0.0000	54.8732	110		75-130
Carbon tetrachloride	50.0000	0.0000	54.0553	108		65-140
1,2-Dichloroethane	50.0000	0.0000	55.7782	112		70-130
Benzene	50.0000	1.7339	56.9459	110		80-120
Trichloroethene	50.0000	0.0000	55.4193	111		70-125
1,2-Dichloropropane	50.0000	0.0000	54.4996	109		75-125
Dibromomethane	50.0000	0.0000	57.4513	115		75-125
Bromodichloromethane	50.0000	0.0000	54.4525	109		75-120
cis-1,3-Dichloropropene	50.0000	0.0000	53.2286	106		70-130
4-Methyl-2-pentanone	50.0000	0.0000	58.6049	117		60-135
Toluene	50.0000	1.3886	55.3797	108		75-120
trans-1,3-Dichloropropene	50.0000	0.0000	52.5837	105		55-140
1,1,2-Trichloroethane	50.0000	0.0000	56.9648	114		75-125
1,3-Dichloropropane	50.0000	0.0000	56.8225	114		75-125
Tetrachloroethene	50.0000	0.0000	59.3502	119		45-150
2-Hexanone	50.0000	0.0000	62.1388	124		55-130
Dibromochloromethane	50.0000	0.0000	54.7881	110		60-135
1,2-Dibromoethane	50.0000	0.0000	57.8650	116		80-120
Chlorobenzene	50.0000	0.0000	55.8313	112		80-120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	55.3692	111		80-130
Ethylbenzene	50.0000	0.0000	56.2856	113		75-125
m,p-Xylene	100.0000	0.0000	112.9146	113		75-130
o-Xylene	50.0000	0.0000	56.4360	113		80-120

SW846

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix Spike - EPA Sample No.: SL-MW-2

Instrument ID: V1 GC Column : DB-624 ID: 0.25 (mm)

Xylene (Total)	150.0000	0.0000	169.3506	113		81-121
Styrene	50.0000	0.0000	56.3981	113		65-135
Bromoform	50.0000	0.0000	52.0823	104		70-130
Isopropylbenzene	50.0000	0.0000	54.3659	109		75-125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	55.6357	111		65-130
Bromobenzene	50.0000	0.0000	53.4062	107		75-125
1,2,3-Trichloropropane	50.0000	0.0000	45.3241	91		75-125
n-Propylbenzene	50.0000	0.0000	53.3135	107		70-130
2-Chlorotoluene	50.0000	0.0000	53.3430	107		75-125
1,3,5-Trimethylbenzene	50.0000	0.0000	52.4888	105		75-130
4-Chlorotoluene	50.0000	0.0000	54.6391	109		75-130
tert-Butylbenzene	50.0000	0.0000	54.0803	108		70-130
1,2,4-Trimethylbenzene	50.0000	0.0000	53.2831	107		75-130
sec-Butylbenzene	50.0000	0.0000	51.6317	103		70-125
4-Isopropyltoluene	50.0000	0.0000	52.8165	106		75-130
1,3-Dichlorobenzene	50.0000	0.0000	52.4256	105		75-125
1,4-Dichlorobenzene	50.0000	0.0000	53.5496	107		75-125
n-Butylbenzene	50.0000	0.0000	51.2695	103		70-135
1,2-Dichlorobenzene	50.0000	0.0000	53.0170	106		70-120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	53.5730	107		50-130
1,2,4-Trichlorobenzene	50.0000	0.0000	48.7523	98		65-135
Hexachlorobutadiene	50.0000	0.0000	45.3995	91		50-140
1,2,3-Trichlorobenzene	50.0000	0.0000	44.7815	90		55-140
Naphthalene	50.0000	0.0000	47.9136	96		55-140

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	60.9745	122		9		40	30-155
Chloromethane	50.0000	55.2500	111		3		40	40-125
Vinyl chloride	50.0000	54.1665	108		0		40	50-145
Bromomethane	50.0000	51.4434	103		0		40	30-145
Chloroethane	50.0000	54.1590	108		2		40	60-135
Trichlorofluoromethane	50.0000	56.5197	113		3		40	60-145
1,1-Dichloroethene	50.0000	57.1782	114		1		40	70-130
Acetone	50.0000	52.9881	106		44	*	40	40-140
Iodomethane	50.0000	52.5166	105		2		40	72-121
Carbon disulfide	50.0000	77.5115	155		2		40	35-160
Methylene chloride	50.0000	53.8097	108		0		40	55-140
trans-1,2-Dichloroethene	50.0000	53.5998	107		1		40	60-140
Methyl tert-butyl ether	50.0000	56.2480	112		2		40	65-125
1,1-Dichloroethane	50.0000	53.6475	107		2		40	70-135
Vinyl acetate	50.0000	52.9335	106		2		40	38-163
2-Butanone	50.0000	55.2540	111		4		40	30-150
cis-1,2-Dichloroethene	50.0000	54.8480	110		1		40	70-125
2,2-Dichloropropane	50.0000	53.3176	107		2		40	70-135
Bromochloromethane	50.0000	56.1330	112		0		40	65-130

SW846

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix Spike - EPA Sample No.: SL-MW-2

Instrument ID: V1 GC Column : DB-624 ID: 0.25 (mm)

Chloroform	50.0000	54.0054	108		0		40	65-135
1,1,1-Trichloroethane	50.0000	55.7590	112		0		40	65-130
1,1-Dichloropropene	50.0000	53.5038	107		3		40	75-130
Carbon tetrachloride	50.0000	53.3462	107		1		40	65-140
1,2-Dichloroethane	50.0000	55.6777	111		0		40	70-130
Benzene	50.0000	56.4528	109		1		40	80-120
Trichloroethene	50.0000	54.9319	110		1		40	70-125
1,2-Dichloropropane	50.0000	54.8331	110		1		40	75-125
Dibromomethane	50.0000	55.7587	112		3		40	75-125
Bromodichloromethane	50.0000	54.2673	109		0		40	75-120
cis-1,3-Dichloropropene	50.0000	52.9452	106		1		40	70-130
4-Methyl-2-pentanone	50.0000	58.1349	116		1		40	60-135
Toluene	50.0000	54.5974	106		1		40	75-120
trans-1,3-Dichloropropene	50.0000	52.5706	105		0		40	55-140
1,1,2-Trichloroethane	50.0000	56.3896	113		1		40	75-125
1,3-Dichloropropane	50.0000	55.1365	110		3		40	75-125
Tetrachloroethene	50.0000	58.0489	116		2		40	45-150
2-Hexanone	50.0000	57.2395	114		8		40	55-130
Dibromochloromethane	50.0000	52.2872	105		5		40	60-135
1,2-Dibromoethane	50.0000	56.4609	113		2		40	80-120
Chlorobenzene	50.0000	55.4241	111		1		40	80-120
1,1,1,2-Tetrachloroethane	50.0000	53.5789	107		3		40	80-130
Ethylbenzene	50.0000	55.0655	110		2		40	75-125
m,p-Xylene	100.0000	109.0683	109		3		40	75-130
o-Xylene	50.0000	54.6178	109		3		40	80-120
Xylene (Total)	150.0000	163.6861	109		3		40	81-121
Styrene	50.0000	54.4561	109		4		40	65-135
Bromoform	50.0000	49.9376	100		4		40	70-130
Isopropylbenzene	50.0000	53.9368	108		1		40	75-125
1,1,2,2-Tetrachloroethane	50.0000	55.2893	111		1		40	65-130
Bromobenzene	50.0000	53.5579	107		0		40	75-125
1,2,3-Trichloropropane	50.0000	43.5578	87		4		40	75-125
n-Propylbenzene	50.0000	52.4431	105		2		40	70-130
2-Chlorotoluene	50.0000	53.5769	107		0		40	75-125
1,3,5-Trimethylbenzene	50.0000	53.4703	107		2		40	75-130
4-Chlorotoluene	50.0000	53.4376	107		2		40	75-130
tert-Butylbenzene	50.0000	53.3308	107		1		40	70-130
1,2,4-Trimethylbenzene	50.0000	53.1372	106		0		40	75-130
sec-Butylbenzene	50.0000	51.4551	103		0		40	70-125
4-Isopropyltoluene	50.0000	51.9407	104		2		40	75-130
1,3-Dichlorobenzene	50.0000	52.9990	106		1		40	75-125
1,4-Dichlorobenzene	50.0000	52.7667	106		1		40	75-125
n-Butylbenzene	50.0000	51.0517	102		0		40	70-135
1,2-Dichlorobenzene	50.0000	53.5418	107		1		40	70-120
1,2-Dibromo-3-chloropropan	50.0000	54.6200	109		2		40	50-130
1,2,4-Trichlorobenzene	50.0000	50.6380	101		4		40	65-135
Hexachlorobutadiene	50.0000	47.0392	94		4		40	50-140

SW846

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix Spike - EPA Sample No.: SL-MW-2

Instrument ID: V1 GC Column : DB-624 ID: 0.25 (mm)

1,2,3-Trichlorobenzene	50.0000	46.6355	93		4		40	55-140
Naphthalene	50.0000	48.9034	98		2		40	55-140

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

* Values outside of QC limits

RPD: 1 out of 68 outside limits

Spike Recovery: 1 out of 136 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40195 LCS Lot No.:

Date Extracted: 11/19/2008 Date Analyzed (1): 11/19/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	59.4493	119		30 - 155
Chloromethane	50.0000	0.0000	53.4854	107		40 - 125
Vinyl chloride	50.0000	0.0000	51.0149	102		50 - 145
Bromomethane	50.0000	0.0000	50.7601	102		30 - 145
Chloroethane	50.0000	0.0000	53.4004	107		60 - 135
Trichlorofluoromethane	50.0000	0.0000	54.0229	108		60 - 145
1,1-Dichloroethene	50.0000	0.0000	54.0832	108		70 - 130
Acetone	50.0000	0.0000	53.8304	108		40 - 140
Iodomethane	50.0000	0.0000	49.9623	100		72 - 121
Carbon disulfide	50.0000	0.0000	50.6927	101		35 - 160
Methylene chloride	50.0000	0.0000	53.4924	107		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	50.3603	101		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	58.3206	117		65 - 125
1,1-Dichloroethane	50.0000	0.0000	53.1222	106		70 - 135
Vinyl acetate	50.0000	0.0000	58.0267	116		38 - 163
2-Butanone	50.0000	0.0000	58.7128	117		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	53.0414	106		70 - 125
2,2-Dichloropropane	50.0000	0.0000	52.8637	106		70 - 135
Bromochloromethane	50.0000	0.0000	52.8526	106		65 - 130
Chloroform	50.0000	0.0000	53.7263	107		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	53.5286	107		65 - 130
1,1-Dichloropropene	50.0000	0.0000	48.0541	96		75 - 130
Carbon tetrachloride	50.0000	0.0000	51.2804	103		65 - 140
1,2-Dichloroethane	50.0000	0.0000	56.9379	114		70 - 130
Benzene	50.0000	0.0000	52.6986	105		80 - 120
Trichloroethene	50.0000	0.0000	50.8707	102		70 - 125
1,2-Dichloropropane	50.0000	0.0000	54.2931	109		75 - 125
Dibromomethane	50.0000	0.0000	57.3994	115		75 - 125
Bromodichloromethane	50.0000	0.0000	55.0284	110		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	55.1982	110		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	60.1964	120		60 - 135
Toluene	50.0000	0.0000	52.3836	105		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	56.2085	112		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	56.2866	113		75 - 125
1,3-Dichloropropane	50.0000	0.0000	57.5098	115		75 - 125
Tetrachloroethene	50.0000	0.0000	54.2716	109		45 - 150
2-Hexanone	50.0000	0.0000	59.4570	119		55 - 130
Dibromochloromethane	50.0000	0.0000	55.9876	112		60 - 135
1,2-Dibromoethane	50.0000	0.0000	56.8349	114		80 - 120
Chlorobenzene	50.0000	0.0000	53.5313	107		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	53.5967	107		80 - 130
Ethylbenzene	50.0000	0.0000	53.5011	107		75 - 125
m,p-Xylene	100.0000	0.0000	106.4518	106		75 - 130
o-Xylene	50.0000	0.0000	52.6785	105		80 - 120

SW846

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40195 LCS Lot No.:

Date Extracted: 11/19/2008 Date Analyzed (1): 11/19/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	159.1303	106		81 - 121
Styrene	50.0000	0.0000	55.6733	111		65 - 135
Bromoform	50.0000	0.0000	58.1158	116		70 - 130
Isopropylbenzene	50.0000	0.0000	52.8264	106		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	55.9477	112		65 - 130
Bromobenzene	50.0000	0.0000	52.4956	105		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	56.6976	113		75 - 125
n-Propylbenzene	50.0000	0.0000	48.9510	98		70 - 130
2-Chlorotoluene	50.0000	0.0000	50.6129	101		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	50.5781	101		75 - 130
4-Chlorotoluene	50.0000	0.0000	51.0337	102		75 - 130
tert-Butylbenzene	50.0000	0.0000	52.2897	105		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	51.6759	103		75 - 130
sec-Butylbenzene	50.0000	0.0000	50.1255	100		70 - 125
4-Isopropyltoluene	50.0000	0.0000	51.0115	102		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	50.6969	101		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	51.0794	102		75 - 125
n-Butylbenzene	50.0000	0.0000	49.3177	99		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	51.6942	103		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	54.2437	108		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	47.9869	96		65 - 135
Hexachlorobutadiene	50.0000	0.0000	46.1402	92		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	43.2256	86		55 - 140
Naphthalene	50.0000	0.0000	45.8552	92		55 - 140

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

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40195 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	58.1157	116		3		40	30 - 155
Chloromethane	50.0000	55.8336	112		5		40	40 - 125
Vinyl chloride	50.0000	56.2560	113		10		40	50 - 145
Bromomethane	50.0000	53.1349	106		4		40	30 - 145
Chloroethane	50.0000	56.4047	113		5		40	60 - 135
Trichlorofluoromethane	50.0000	60.0632	120		11		40	60 - 145
1,1-Dichloroethene	50.0000	52.8258	106		2		40	70 - 130
Acetone	50.0000	42.3763	85		24		40	40 - 140
Iodomethane	50.0000	54.4836	109		9		40	72 - 121
Carbon disulfide	50.0000	56.8924	114		12		40	35 - 160
Methylene chloride	50.0000	54.1396	108		1		40	55 - 140
trans-1,2-Dichloroethene	50.0000	53.3398	107		6		40	60 - 140
Methyl tert-butyl ether	50.0000	55.4244	111		5		40	65 - 125
1,1-Dichloroethane	50.0000	54.7610	110		4		40	70 - 135
Vinyl acetate	50.0000	55.8604	112		4		40	38 - 163
2-Butanone	50.0000	49.6086	99		17		40	30 - 150
cis-1,2-Dichloroethene	50.0000	54.4138	109		3		40	70 - 125
2,2-Dichloropropane	50.0000	56.6986	113		6		40	70 - 135
Bromochloromethane	50.0000	53.8225	108		2		40	65 - 130
Chloroform	50.0000	55.5162	111		4		40	65 - 135
1,1,1-Trichloroethane	50.0000	56.1571	112		5		40	65 - 130
1,1-Dichloropropene	50.0000	53.2071	106		10		40	75 - 130
Carbon tetrachloride	50.0000	54.4214	109		6		40	65 - 140
1,2-Dichloroethane	50.0000	55.6283	111		3		40	70 - 130
Benzene	50.0000	54.8247	110		5		40	80 - 120
Trichloroethene	50.0000	53.3302	107		5		40	70 - 125
1,2-Dichloropropane	50.0000	55.1598	110		1		40	75 - 125
Dibromomethane	50.0000	55.6585	111		4		40	75 - 125
Bromodichloromethane	50.0000	53.4874	107		3		40	75 - 120
cis-1,3-Dichloropropene	50.0000	55.6289	111		1		40	70 - 130
4-Methyl-2-pentanone	50.0000	52.5844	105		13		40	60 - 135
Toluene	50.0000	54.1543	108		3		40	75 - 120
trans-1,3-Dichloropropene	50.0000	55.7358	111		1		40	55 - 140
1,1,2-Trichloroethane	50.0000	53.9317	108		5		40	75 - 125
1,3-Dichloropropane	50.0000	55.3271	111		4		40	75 - 125
Tetrachloroethene	50.0000	56.3063	113		4		40	45 - 150
2-Hexanone	50.0000	53.7483	107		11		40	55 - 130
Dibromochloromethane	50.0000	55.2143	110		2		40	60 - 135
1,2-Dibromoethane	50.0000	54.3484	109		4		40	80 - 120
Chlorobenzene	50.0000	55.5207	111		4		40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	55.4849	111		4		40	80 - 130
Ethylbenzene	50.0000	54.7465	109		2		40	75 - 125
m,p-Xylene	100.0000	111.4249	111		5		40	75 - 130
o-Xylene	50.0000	54.8122	110		5		40	80 - 120
Xylene (Total)	150.0000	166.2371	111		5		40	81 - 121
Styrene	50.0000	57.0092	114		3		40	65 - 135

SW846

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40195 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Bromoform	50.0000	55.0617	110		5		40	70 - 130
Isopropylbenzene	50.0000	55.8492	112		6		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	52.6758	105		6		40	65 - 130
Bromobenzene	50.0000	54.4300	109		4		40	75 - 125
1,2,3-Trichloropropane	50.0000	52.8294	106		6		40	75 - 125
n-Propylbenzene	50.0000	52.3250	105		7		40	70 - 130
2-Chlorotoluene	50.0000	53.6898	107		6		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	54.8300	110		9		40	75 - 130
4-Chlorotoluene	50.0000	54.5124	109		7		40	75 - 130
tert-Butylbenzene	50.0000	56.0285	112		6		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	55.3130	111		7		40	75 - 130
sec-Butylbenzene	50.0000	54.3370	109		9		40	70 - 125
4-Isopropyltoluene	50.0000	54.5922	109		7		40	75 - 130
1,3-Dichlorobenzene	50.0000	53.8129	108		7		40	75 - 125
1,4-Dichlorobenzene	50.0000	53.7264	107		5		40	75 - 125
n-Butylbenzene	50.0000	53.6350	107		8		40	70 - 135
1,2-Dichlorobenzene	50.0000	53.9912	108		5		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	51.2043	102		6		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	51.0516	102		6		40	65 - 135
Hexachlorobutadiene	50.0000	49.6397	99		7		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	48.5002	97		12		40	55 - 140
Naphthalene	50.0000	47.5568	95		3		40	55 - 140

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

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40199 LCS Lot No.:

Date Extracted: 11/19/2008 Date Analyzed (1): 11/20/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	53.3821	107		30 - 155
Chloromethane	50.0000	0.0000	52.2588	105		40 - 125
Vinyl chloride	50.0000	0.0000	52.5892	105		50 - 145
Bromomethane	50.0000	0.0000	50.1206	100		30 - 145
Chloroethane	50.0000	0.0000	54.0210	108		60 - 135
Trichlorofluoromethane	50.0000	0.0000	55.6437	111		60 - 145
1,1-Dichloroethene	50.0000	0.0000	56.2746	113		70 - 130
Acetone	50.0000	0.0000	42.1600	84		40 - 140
Iodomethane	50.0000	0.0000	52.2381	104		72 - 121
Carbon disulfide	50.0000	0.0000	54.6372	109		35 - 160
Methylene chloride	50.0000	0.0000	52.6374	105		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	51.2296	102		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	50.1617	100		65 - 125
1,1-Dichloroethane	50.0000	0.0000	52.8659	106		70 - 135
Vinyl acetate	50.0000	0.0000	51.8692	104		38 - 163
2-Butanone	50.0000	0.0000	46.0760	92		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	52.2043	104		70 - 125
2,2-Dichloropropane	50.0000	0.0000	43.3159	87		70 - 135
Bromochloromethane	50.0000	0.0000	51.9525	104		65 - 130
Chloroform	50.0000	0.0000	52.9737	106		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	53.8582	108		65 - 130
1,1-Dichloropropene	50.0000	0.0000	50.3181	101		75 - 130
Carbon tetrachloride	50.0000	0.0000	51.5431	103		65 - 140
1,2-Dichloroethane	50.0000	0.0000	53.4133	107		70 - 130
Benzene	50.0000	0.0000	53.2673	107		80 - 120
Trichloroethene	50.0000	0.0000	51.4340	103		70 - 125
1,2-Dichloropropane	50.0000	0.0000	53.2276	106		75 - 125
Dibromomethane	50.0000	0.0000	50.7633	102		75 - 125
Bromodichloromethane	50.0000	0.0000	51.9783	104		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	51.0426	102		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	47.4175	95		60 - 135
Toluene	50.0000	0.0000	52.4658	105		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	49.5699	99		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	51.6777	103		75 - 125
1,3-Dichloropropane	50.0000	0.0000	53.3982	107		75 - 125
Tetrachloroethene	50.0000	0.0000	55.4046	111		45 - 150
2-Hexanone	50.0000	0.0000	47.1401	94		55 - 130
Dibromochloromethane	50.0000	0.0000	50.5672	101		60 - 135
1,2-Dibromoethane	50.0000	0.0000	52.7989	106		80 - 120
Chlorobenzene	50.0000	0.0000	53.8235	108		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	53.1838	106		80 - 130
Ethylbenzene	50.0000	0.0000	53.1377	106		75 - 125
m,p-Xylene	100.0000	0.0000	108.0253	108		75 - 130
o-Xylene	50.0000	0.0000	54.2127	108		80 - 120

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40199 LCS Lot No.:

Date Extracted: 11/19/2008 Date Analyzed (1): 11/20/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	162.2380	108		81 - 121
Styrene	50.0000	0.0000	54.5590	109		65 - 135
Bromoform	50.0000	0.0000	46.1667	92		70 - 130
Isopropylbenzene	50.0000	0.0000	52.7045	105		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	48.7429	97		65 - 130
Bromobenzene	50.0000	0.0000	52.3177	105		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	43.7982	88		75 - 125
n-Propylbenzene	50.0000	0.0000	51.0776	102		70 - 130
2-Chlorotoluene	50.0000	0.0000	52.5421	105		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	52.7104	105		75 - 130
4-Chlorotoluene	50.0000	0.0000	52.0135	104		75 - 130
tert-Butylbenzene	50.0000	0.0000	52.5023	105		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	52.5842	105		75 - 130
sec-Butylbenzene	50.0000	0.0000	51.1973	102		70 - 125
4-Isopropyltoluene	50.0000	0.0000	50.7862	102		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	50.6726	101		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	50.6919	101		75 - 125
n-Butylbenzene	50.0000	0.0000	48.9141	98		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	51.0426	102		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	45.7610	92		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	45.9976	92		65 - 135
Hexachlorobutadiene	50.0000	0.0000	45.5728	91		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	40.2838	81		55 - 140
Naphthalene	50.0000	0.0000	40.1293	80		55 - 140

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

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40199 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	60.8686	122		13		40	30 - 155
Chloromethane	50.0000	54.7581	110		5		40	40 - 125
Vinyl chloride	50.0000	54.7711	110		5		40	50 - 145
Bromomethane	50.0000	52.8269	106		6		40	30 - 145
Chloroethane	50.0000	57.0738	114		5		40	60 - 135
Trichlorofluoromethane	50.0000	59.2470	118		6		40	60 - 145
1,1-Dichloroethene	50.0000	59.4247	119		5		40	70 - 130
Acetone	50.0000	46.0874	92		9		40	40 - 140
Iodomethane	50.0000	56.1748	112		7		40	72 - 121
Carbon disulfide	50.0000	57.0781	114		4		40	35 - 160
Methylene chloride	50.0000	54.3622	109		4		40	55 - 140
trans-1,2-Dichloroethene	50.0000	53.2616	107		5		40	60 - 140
Methyl tert-butyl ether	50.0000	52.0327	104		4		40	65 - 125
1,1-Dichloroethane	50.0000	54.0110	108		2		40	70 - 135
Vinyl acetate	50.0000	53.3031	107		3		40	38 - 163
2-Butanone	50.0000	49.8959	100		8		40	30 - 150
cis-1,2-Dichloroethene	50.0000	55.0518	110		6		40	70 - 125
2,2-Dichloropropane	50.0000	45.0378	90		3		40	70 - 135
Bromochloromethane	50.0000	52.9096	106		2		40	65 - 130
Chloroform	50.0000	54.4582	109		3		40	65 - 135
1,1,1-Trichloroethane	50.0000	54.7344	109		1		40	65 - 130
1,1-Dichloropropene	50.0000	52.1557	104		3		40	75 - 130
Carbon tetrachloride	50.0000	53.6278	107		4		40	65 - 140
1,2-Dichloroethane	50.0000	54.3829	109		2		40	70 - 130
Benzene	50.0000	54.9057	110		3		40	80 - 120
Trichloroethene	50.0000	53.4419	107		4		40	70 - 125
1,2-Dichloropropane	50.0000	55.0290	110		4		40	75 - 125
Dibromomethane	50.0000	53.8269	108		6		40	75 - 125
Bromodichloromethane	50.0000	54.2819	109		5		40	75 - 120
cis-1,3-Dichloropropene	50.0000	51.5218	103		1		40	70 - 130
4-Methyl-2-pentanone	50.0000	48.8770	98		3		40	60 - 135
Toluene	50.0000	53.7791	108		3		40	75 - 120
trans-1,3-Dichloropropene	50.0000	51.1279	102		3		40	55 - 140
1,1,2-Trichloroethane	50.0000	52.2893	105		2		40	75 - 125
1,3-Dichloropropane	50.0000	54.1390	108		1		40	75 - 125
Tetrachloroethene	50.0000	56.8424	114		3		40	45 - 150
2-Hexanone	50.0000	49.0048	98		4		40	55 - 130
Dibromochloromethane	50.0000	52.4463	105		4		40	60 - 135
1,2-Dibromoethane	50.0000	53.3081	107		1		40	80 - 120
Chlorobenzene	50.0000	54.9712	110		2		40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	55.2016	110		4		40	80 - 130
Ethylbenzene	50.0000	55.4514	111		5		40	75 - 125
m,p-Xylene	100.0000	110.5151	111		3		40	75 - 130
o-Xylene	50.0000	54.9563	110		2		40	80 - 120
Xylene (Total)	150.0000	165.4713	110		2		40	81 - 121
Styrene	50.0000	55.9402	112		3		40	65 - 135

SW846

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1XLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40199 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Bromoform	50.0000	47.8901	96		4		40	70 - 130
Isopropylbenzene	50.0000	55.3870	111		6		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	49.2234	98		1		40	65 - 130
Bromobenzene	50.0000	52.8827	106		1		40	75 - 125
1,2,3-Trichloropropane	50.0000	43.5819	87		1		40	75 - 125
n-Propylbenzene	50.0000	52.7106	105		3		40	70 - 130
2-Chlorotoluene	50.0000	53.5942	107		2		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	54.1823	108		3		40	75 - 130
4-Chlorotoluene	50.0000	53.9888	108		4		40	75 - 130
tert-Butylbenzene	50.0000	54.4795	109		4		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	54.4864	109		4		40	75 - 130
sec-Butylbenzene	50.0000	53.3779	107		5		40	70 - 125
4-Isopropyltoluene	50.0000	52.8788	106		4		40	75 - 130
1,3-Dichlorobenzene	50.0000	52.4449	105		4		40	75 - 125
1,4-Dichlorobenzene	50.0000	53.4220	107		6		40	75 - 125
n-Butylbenzene	50.0000	50.9091	102		4		40	70 - 135
1,2-Dichlorobenzene	50.0000	52.2518	105		3		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	47.0331	94		2		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	48.0566	96		4		40	65 - 135
Hexachlorobutadiene	50.0000	46.0118	92		1		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	42.7247	85		5		40	55 - 140
Naphthalene	50.0000	42.8781	86		7		40	55 - 140

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

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1YLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40217 LCS Lot No.:

Date Extracted: 11/20/2008 Date Analyzed (1): 11/20/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	61.7654	124		30 - 155
Chloromethane	50.0000	0.0000	52.2467	104		40 - 125
Vinyl chloride	50.0000	0.0000	51.6064	103		50 - 145
Bromomethane	50.0000	0.0000	48.2557	97		30 - 145
Chloroethane	50.0000	0.0000	51.6422	103		60 - 135
Trichlorofluoromethane	50.0000	0.0000	55.0773	110		60 - 145
1,1-Dichloroethene	50.0000	0.0000	55.4387	111		70 - 130
Acetone	50.0000	0.0000	47.2494	94		40 - 140
Iodomethane	50.0000	0.0000	50.0197	100		72 - 121
Carbon disulfide	50.0000	0.0000	52.3649	105		35 - 160
Methylene chloride	50.0000	0.0000	51.9077	104		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	51.0380	102		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	52.7657	106		65 - 125
1,1-Dichloroethane	50.0000	0.0000	52.0207	104		70 - 135
Vinyl acetate	50.0000	0.0000	52.7745	106		38 - 163
2-Butanone	50.0000	0.0000	52.7266	105		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	51.9998	104		70 - 125
2,2-Dichloropropane	50.0000	0.0000	49.2507	99		70 - 135
Bromochloromethane	50.0000	0.0000	53.5616	107		65 - 130
Chloroform	50.0000	0.0000	52.2959	105		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	53.7100	107		65 - 130
1,1-Dichloropropene	50.0000	0.0000	50.8909	102		75 - 130
Carbon tetrachloride	50.0000	0.0000	51.6007	103		65 - 140
1,2-Dichloroethane	50.0000	0.0000	52.8368	106		70 - 130
Benzene	50.0000	0.0000	52.4505	105		80 - 120
Trichloroethene	50.0000	0.0000	51.3169	103		70 - 125
1,2-Dichloropropane	50.0000	0.0000	52.6781	105		75 - 125
Dibromomethane	50.0000	0.0000	53.8660	108		75 - 125
Bromodichloromethane	50.0000	0.0000	51.7514	104		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	50.9676	102		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	53.6110	107		60 - 135
Toluene	50.0000	0.0000	51.9429	104		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	50.6824	101		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	54.5640	109		75 - 125
1,3-Dichloropropane	50.0000	0.0000	53.0102	106		75 - 125
Tetrachloroethene	50.0000	0.0000	56.0242	112		45 - 150
2-Hexanone	50.0000	0.0000	53.4875	107		55 - 130
Dibromochloromethane	50.0000	0.0000	50.4195	101		60 - 135
1,2-Dibromoethane	50.0000	0.0000	54.0246	108		80 - 120
Chlorobenzene	50.0000	0.0000	53.1325	106		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	52.8922	106		80 - 130
Ethylbenzene	50.0000	0.0000	53.0950	106		75 - 125
m,p-Xylene	100.0000	0.0000	107.5184	108		75 - 130
o-Xylene	50.0000	0.0000	53.6275	107		80 - 120

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1YLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40217 LCS Lot No.:

Date Extracted: 11/20/2008 Date Analyzed (1): 11/20/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	161.1459	107		81 - 121
Styrene	50.0000	0.0000	54.0673	108		65 - 135
Bromoform	50.0000	0.0000	46.3825	93		70 - 130
Isopropylbenzene	50.0000	0.0000	52.9780	106		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	51.6846	103		65 - 130
Bromobenzene	50.0000	0.0000	52.5512	105		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	43.7928	88		75 - 125
n-Propylbenzene	50.0000	0.0000	51.4599	103		70 - 130
2-Chlorotoluene	50.0000	0.0000	51.7582	104		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	51.7511	104		75 - 130
4-Chlorotoluene	50.0000	0.0000	53.5528	107		75 - 130
tert-Butylbenzene	50.0000	0.0000	52.1033	104		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	51.7478	103		75 - 130
sec-Butylbenzene	50.0000	0.0000	51.4978	103		70 - 125
4-Isopropyltoluene	50.0000	0.0000	51.5049	103		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	50.5888	101		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	51.6725	103		75 - 125
n-Butylbenzene	50.0000	0.0000	50.2685	101		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	51.1861	102		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	47.5741	95		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	45.8119	92		65 - 135
Hexachlorobutadiene	50.0000	0.0000	45.6809	91		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	42.3469	85		55 - 140
Naphthalene	50.0000	0.0000	42.9074	86		55 - 140

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

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1YLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40217 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	57.8989	116		7		40	30 - 155
Chloromethane	50.0000	53.4562	107		3		40	40 - 125
Vinyl chloride	50.0000	53.9415	108		5		40	50 - 145
Bromomethane	50.0000	49.0830	98		1		40	30 - 145
Chloroethane	50.0000	54.5912	109		6		40	60 - 135
Trichlorofluoromethane	50.0000	54.6529	109		1		40	60 - 145
1,1-Dichloroethene	50.0000	55.9076	112		1		40	70 - 130
Acetone	50.0000	46.0279	92		2		40	40 - 140
Iodomethane	50.0000	53.1273	106		6		40	72 - 121
Carbon disulfide	50.0000	77.1849	154		38		40	35 - 160
Methylene chloride	50.0000	52.2664	105		1		40	55 - 140
trans-1,2-Dichloroethene	50.0000	51.8237	104		2		40	60 - 140
Methyl tert-butyl ether	50.0000	54.0255	108		2		40	65 - 125
1,1-Dichloroethane	50.0000	53.4349	107		3		40	70 - 135
Vinyl acetate	50.0000	53.7237	107		1		40	38 - 163
2-Butanone	50.0000	52.8146	106		1		40	30 - 150
cis-1,2-Dichloroethene	50.0000	54.0601	108		4		40	70 - 125
2,2-Dichloropropane	50.0000	49.2650	99		0		40	70 - 135
Bromochloromethane	50.0000	53.7796	108		1		40	65 - 130
Chloroform	50.0000	53.1722	106		1		40	65 - 135
1,1,1-Trichloroethane	50.0000	54.3505	109		2		40	65 - 130
1,1-Dichloropropene	50.0000	52.1189	104		2		40	75 - 130
Carbon tetrachloride	50.0000	52.5136	105		2		40	65 - 140
1,2-Dichloroethane	50.0000	53.3849	107		1		40	70 - 130
Benzene	50.0000	53.6928	107		2		40	80 - 120
Trichloroethene	50.0000	53.3390	107		4		40	70 - 125
1,2-Dichloropropane	50.0000	53.9254	108		3		40	75 - 125
Dibromomethane	50.0000	54.2209	108		0		40	75 - 125
Bromodichloromethane	50.0000	52.9468	106		2		40	75 - 120
cis-1,3-Dichloropropene	50.0000	51.8194	104		2		40	70 - 130
4-Methyl-2-pentanone	50.0000	53.9630	108		1		40	60 - 135
Toluene	50.0000	52.9480	106		2		40	75 - 120
trans-1,3-Dichloropropene	50.0000	51.8615	104		3		40	55 - 140
1,1,2-Trichloroethane	50.0000	55.1291	110		1		40	75 - 125
1,3-Dichloropropane	50.0000	54.5149	109		3		40	75 - 125
Tetrachloroethene	50.0000	57.1330	114		2		40	45 - 150
2-Hexanone	50.0000	54.5003	109		2		40	55 - 130
Dibromochloromethane	50.0000	51.8763	104		3		40	60 - 135
1,2-Dibromoethane	50.0000	55.1489	110		2		40	80 - 120
Chlorobenzene	50.0000	54.1072	108		2		40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	53.7824	108		2		40	80 - 130
Ethylbenzene	50.0000	54.1791	108		2		40	75 - 125
m,p-Xylene	100.0000	108.8299	109		1		40	75 - 130
o-Xylene	50.0000	54.0245	108		1		40	80 - 120
Xylene (Total)	150.0000	162.8544	109		2		40	81 - 121
Styrene	50.0000	55.1557	110		2		40	65 - 135

SW846

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
V1YLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40217 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Bromoform	50.0000	47.8221	96		3		40	70 - 130
Isopropylbenzene	50.0000	53.4320	107		1		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	53.2004	106		3		40	65 - 130
Bromobenzene	50.0000	53.7561	108		3		40	75 - 125
1,2,3-Trichloropropane	50.0000	45.0495	90		2		40	75 - 125
n-Propylbenzene	50.0000	52.4954	105		2		40	70 - 130
2-Chlorotoluene	50.0000	52.8427	106		2		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	52.5997	105		1		40	75 - 130
4-Chlorotoluene	50.0000	53.7240	107		0		40	75 - 130
tert-Butylbenzene	50.0000	53.7476	107		3		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	53.5380	107		4		40	75 - 130
sec-Butylbenzene	50.0000	52.4685	105		2		40	70 - 125
4-Isopropyltoluene	50.0000	52.3756	105		2		40	75 - 130
1,3-Dichlorobenzene	50.0000	51.9088	104		3		40	75 - 125
1,4-Dichlorobenzene	50.0000	52.4841	105		2		40	75 - 125
n-Butylbenzene	50.0000	50.7363	101		0		40	70 - 135
1,2-Dichlorobenzene	50.0000	52.4787	105		3		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	51.1090	102		7		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	49.3467	99		7		40	65 - 135
Hexachlorobutadiene	50.0000	48.4530	97		6		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	45.1434	90		6		40	55 - 140
Naphthalene	50.0000	46.9426	94		9		40	55 - 140

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

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1ZLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40222 LCS Lot No.:

Date Extracted: 11/20/2008 Date Analyzed (1): 11/21/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	47.9206	96		30 - 155
Chloromethane	50.0000	0.0000	47.3498	95		40 - 125
Vinyl chloride	50.0000	0.0000	48.5281	97		50 - 145
Bromomethane	50.0000	0.0000	45.3944	91		30 - 145
Chloroethane	50.0000	0.0000	49.6616	99		60 - 135
Trichlorofluoromethane	50.0000	0.0000	50.7203	101		60 - 145
1,1-Dichloroethene	50.0000	0.0000	52.2771	105		70 - 130
Acetone	50.0000	0.0000	40.9213	82		40 - 140
Iodomethane	50.0000	0.0000	49.5242	99		72 - 121
Carbon disulfide	50.0000	0.0000	49.5306	99		35 - 160
Methylene chloride	50.0000	0.0000	48.5809	97		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	48.6918	97		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	47.2843	95		65 - 125
1,1-Dichloroethane	50.0000	0.0000	48.7009	97		70 - 135
Vinyl acetate	50.0000	0.0000	46.7533	94		38 - 163
2-Butanone	50.0000	0.0000	45.6198	91		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	49.8478	100		70 - 125
2,2-Dichloropropane	50.0000	0.0000	38.1613	76		70 - 135
Bromochloromethane	50.0000	0.0000	50.2556	101		65 - 130
Chloroform	50.0000	0.0000	49.6929	99		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	50.3851	101		65 - 130
1,1-Dichloropropene	50.0000	0.0000	48.0658	96		75 - 130
Carbon tetrachloride	50.0000	0.0000	47.8984	96		65 - 140
1,2-Dichloroethane	50.0000	0.0000	48.7956	98		70 - 130
Benzene	50.0000	0.0000	49.9075	100		80 - 120
Trichloroethene	50.0000	0.0000	48.7629	98		70 - 125
1,2-Dichloropropane	50.0000	0.0000	49.1467	98		75 - 125
Dibromomethane	50.0000	0.0000	48.7830	98		75 - 125
Bromodichloromethane	50.0000	0.0000	47.8177	96		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	46.5886	93		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	45.2631	91		60 - 135
Toluene	50.0000	0.0000	48.7256	97		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	45.2000	90		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	49.2292	98		75 - 125
1,3-Dichloropropane	50.0000	0.0000	50.3653	101		75 - 125
Tetrachloroethene	50.0000	0.0000	52.7354	105		45 - 150
2-Hexanone	50.0000	0.0000	44.9779	90		55 - 130
Dibromochloromethane	50.0000	0.0000	47.3971	95		60 - 135
1,2-Dibromoethane	50.0000	0.0000	50.4022	101		80 - 120
Chlorobenzene	50.0000	0.0000	51.4235	103		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	50.3141	101		80 - 130
Ethylbenzene	50.0000	0.0000	51.3004	103		75 - 125
m,p-Xylene	100.0000	0.0000	101.7409	102		75 - 130
o-Xylene	50.0000	0.0000	50.8338	102		80 - 120

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

EPA SAMPLE NO.

V1ZLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCS-40222 LCS Lot No.:

Date Extracted: 11/20/2008 Date Analyzed (1): 11/21/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	152.5747	102		81 - 121
Styrene	50.0000	0.0000	50.8797	102		65 - 135
Bromoform	50.0000	0.0000	41.7918	84		70 - 130
Isopropylbenzene	50.0000	0.0000	50.1277	100		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	48.1108	96		65 - 130
Bromobenzene	50.0000	0.0000	49.5109	99		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	41.1954	82		75 - 125
n-Propylbenzene	50.0000	0.0000	49.6975	99		70 - 130
2-Chlorotoluene	50.0000	0.0000	50.3377	101		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	49.8089	100		75 - 130
4-Chlorotoluene	50.0000	0.0000	50.8495	102		75 - 130
tert-Butylbenzene	50.0000	0.0000	50.5722	101		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	49.6373	99		75 - 130
sec-Butylbenzene	50.0000	0.0000	49.0940	98		70 - 125
4-Isopropyltoluene	50.0000	0.0000	48.3683	97		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	48.7066	97		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	48.6370	97		75 - 125
n-Butylbenzene	50.0000	0.0000	45.1023	90		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	49.1648	98		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	42.4252	85		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	42.7852	86		65 - 135
Hexachlorobutadiene	50.0000	0.0000	41.8345	84		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	37.9474	76		55 - 140
Naphthalene	50.0000	0.0000	37.4035	75		55 - 140

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

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1ZLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40222 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	43.7973	88		9		40	30 - 155
Chloromethane	50.0000	51.3220	103		8		40	40 - 125
Vinyl chloride	50.0000	51.1911	102		5		40	50 - 145
Bromomethane	50.0000	48.6227	97		6		40	30 - 145
Chloroethane	50.0000	53.4632	107		8		40	60 - 135
Trichlorofluoromethane	50.0000	54.7104	109		8		40	60 - 145
1,1-Dichloroethene	50.0000	54.5637	109		4		40	70 - 130
Acetone	50.0000	46.0621	92		11		40	40 - 140
Iodomethane	50.0000	50.7183	101		2		40	72 - 121
Carbon disulfide	50.0000	51.2915	103		4		40	35 - 160
Methylene chloride	50.0000	52.2870	105		8		40	55 - 140
trans-1,2-Dichloroethene	50.0000	51.4578	103		6		40	60 - 140
Methyl tert-butyl ether	50.0000	50.6085	101		6		40	65 - 125
1,1-Dichloroethane	50.0000	52.0322	104		7		40	70 - 135
Vinyl acetate	50.0000	49.8399	100		6		40	38 - 163
2-Butanone	50.0000	50.6472	101		10		40	30 - 150
cis-1,2-Dichloroethene	50.0000	53.1856	106		6		40	70 - 125
2,2-Dichloropropane	50.0000	39.3020	79		4		40	70 - 135
Bromochloromethane	50.0000	52.6356	105		4		40	65 - 130
Chloroform	50.0000	52.3899	105		6		40	65 - 135
1,1,1-Trichloroethane	50.0000	52.0667	104		3		40	65 - 130
1,1-Dichloropropene	50.0000	50.8885	102		6		40	75 - 130
Carbon tetrachloride	50.0000	50.9398	102		6		40	65 - 140
1,2-Dichloroethane	50.0000	52.1818	104		6		40	70 - 130
Benzene	50.0000	53.0904	106		6		40	80 - 120
Trichloroethene	50.0000	50.6919	101		3		40	70 - 125
1,2-Dichloropropane	50.0000	52.5719	105		7		40	75 - 125
Dibromomethane	50.0000	52.8149	106		8		40	75 - 125
Bromodichloromethane	50.0000	51.9781	104		8		40	75 - 120
cis-1,3-Dichloropropene	50.0000	49.9677	100		7		40	70 - 130
4-Methyl-2-pentanone	50.0000	48.0281	96		5		40	60 - 135
Toluene	50.0000	52.0210	104		7		40	75 - 120
trans-1,3-Dichloropropene	50.0000	49.0739	98		9		40	55 - 140
1,1,2-Trichloroethane	50.0000	51.2976	103		5		40	75 - 125
1,3-Dichloropropane	50.0000	51.6738	103		2		40	75 - 125
Tetrachloroethene	50.0000	54.7109	109		4		40	45 - 150
2-Hexanone	50.0000	49.0890	98		9		40	55 - 130
Dibromochloromethane	50.0000	50.6250	101		6		40	60 - 135
1,2-Dibromoethane	50.0000	53.0455	106		5		40	80 - 120
Chlorobenzene	50.0000	52.9292	106		3		40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	52.3228	105		4		40	80 - 130
Ethylbenzene	50.0000	53.1998	106		3		40	75 - 125
m,p-Xylene	100.0000	107.0901	107		5		40	75 - 130
o-Xylene	50.0000	53.2500	107		5		40	80 - 120
Xylene (Total)	150.0000	160.3401	107		5		40	81 - 121
Styrene	50.0000	53.6265	107		5		40	65 - 135

SW846

3 - FORM III

WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1ZLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab Sample ID: LCSD-40222 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Bromoform	50.0000	44.9855	90		7		40	70 - 130
Isopropylbenzene	50.0000	52.3391	105		5		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	49.6562	99		3		40	65 - 130
Bromobenzene	50.0000	51.5662	103		4		40	75 - 125
1,2,3-Trichloropropane	50.0000	42.0544	84		2		40	75 - 125
n-Propylbenzene	50.0000	50.2182	100		1		40	70 - 130
2-Chlorotoluene	50.0000	50.3703	101		0		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	50.9286	102		2		40	75 - 130
4-Chlorotoluene	50.0000	52.1585	104		2		40	75 - 130
tert-Butylbenzene	50.0000	51.8788	104		3		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	50.4474	101		2		40	75 - 130
sec-Butylbenzene	50.0000	49.6354	99		1		40	70 - 125
4-Isopropyltoluene	50.0000	49.9504	100		3		40	75 - 130
1,3-Dichlorobenzene	50.0000	49.7596	100		3		40	75 - 125
1,4-Dichlorobenzene	50.0000	50.1554	100		3		40	75 - 125
n-Butylbenzene	50.0000	47.3216	95		5		40	70 - 135
1,2-Dichlorobenzene	50.0000	50.3330	101		3		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	47.5483	95		11		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	44.3095	89		3		40	65 - 135
Hexachlorobutadiene	50.0000	44.7559	90		7		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	41.5569	83		9		40	55 - 140
Naphthalene	50.0000	41.5701	83		10		40	55 - 140

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

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SL-MW-2S

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	10222.2630		265.5990		9100.00	109.4		P
Antimony	75-125	511.6658		4.6000	U	455.50	112.3		P
Arsenic	75-125	539.8512		5.3000	U	455.50	118.5		P
Barium	75-125	9926.8792		17.5208	B	9100.00	108.9		P
Beryllium	75-125	259.3750		0.1300	U	227.00	114.3		P
Cadmium	75-125	264.1416		8.7575		227.00	112.5		P
Chromium	75-125	1094.5267		113.2924		910.00	107.8		P
Cobalt	75-125	2517.4852		20.3734	B	2270.00	110.0		P
Copper	75-125	1293.0950		18.3977	B	1130.00	112.8		P
Iron	75-125	8128.4906		3117.2272		4550.00	110.1		P
Lead	75-125	529.0118		3.3328	B	455.00	115.5		P
Manganese	75-125	2931.2092		396.1405		2270.00	111.7		P
Nickel	75-125	3888.3055		1391.1759		2270.00	110.0		P
Selenium	75-125	517.2205		6.6000	U	455.00	113.7		P
Silver	75-125	1262.1252		0.5900	U	1130.00	111.7		P
Thallium	75-125	508.9098		4.2000	U	455.00	111.8		P
Vanadium	75-125	2529.5864		2.7780	B	2270.00	111.3		P
Zinc	75-125	2595.1756		44.4349	B	2270.00	112.4		P
Mercury	75-125	4.3527		0.0160	U	4.55	95.7		CV

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SL-MW-2D

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	265.5990		240.6172		9.9		P
Antimony		4.6000	U	4.6000	U			P
Arsenic		5.3000	U	5.3000	U			P
Barium		17.5208	B	16.0546	B	8.7		P
Beryllium		0.1300	U	0.1300	U			P
Cadmium	5.0	8.7575		2.9883	B	98.2	*	P
Calcium		15324.5137		15535.2101		1.4		P
Chromium	20.0	113.2924		83.3294		30.5	*	P
Cobalt		20.3734	B	20.3203	B	0.3		P
Copper		18.3977	B	18.2741	B	0.7		P
Iron		3117.2272		3104.9400		0.4		P
Lead		3.3328	B	2.9564	B	12		P
Magnesium	500.0	1251.2513		1302.8475		4		P
Manganese		396.1405		412.6657		4.1		P
Nickel		1391.1759		1432.8127		2.9		P
Potassium	1000.0	1975.3187		2051.6321		3.8		P
Selenium		6.6000	U	6.6000	U			P
Silver		0.5900	U	0.5900	U			P
Sodium		14591.2956		15126.1374		3.6		P
Thallium		4.2000	U	4.2000	U			P
Vanadium		2.7780	B	2.5809	B	7.4		P
Zinc		44.4349	B	36.7439	B	18.9		P
Mercury		0.0160	U	0.0160	U			CV

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab File ID: V1K1733.D Lab Sample ID: MB-40195

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/19/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 17:58

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1WLCS	LCS-40195	V1K1734.D	18:27
02	V1WLCSD	LCSD-40195	V1K1735.D	18:56
03	SL-MW-11	G2115-01A	V1K1752.D	03:09
04	SL-MW-23S	G2115-03A	V1K1753.D	03:38

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1733.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1733.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40195

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1733.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.753	34	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab File ID: V1K1759.D Lab Sample ID: MB-40199

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/20/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 06:33

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1XLCS	LCS-40199	V1K1760.D	07:02
02	V1XLCSD	LCSD-40199	V1K1761.D	07:31
03	TB-1	G2115-02A	V1K1763.D	08:52
04	TB-2	G2115-11A	V1K1764.D	09:21
05	SL-MW-12	G2115-06A	V1K1767.D	10:48
06	SL-MW-13	G2115-07A	V1K1768.D	11:17
07	SL-MW-73D	G2115-08A	V1K1769.D	11:46
08	SL-MW-4	G2115-09A	V1K1770.D	12:15
09	SL-MW-6B	G2115-10A	V1K1771.D	12:44
10	SL-MW-6A	G2115-12A	V1K1772.D	13:12
11	SL-MW-2	G2115-14A	V1K1777.D	15:38
12	SL-MW-2MS	G2115-14AMS	V1K1778.D	16:07
13	SL-MW-2MSD	G2115-14AMSD	V1K1779.D	16:36

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1759.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1759.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40199

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1759.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.757	19	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1Y

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab File ID: V1K1793.D Lab Sample ID: MB-40217

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/20/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 19:28

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1YLCS	LCS-40217	V1K1794.D	19:57
02	V1YLCSD	LCSD-40217	V1K1795.D	20:26
03	TB-3	G2115-15A	V1K1799.D	22:22
04	SL-MW-3A	G2115-16A	V1K1801.D	23:19
05	SL-MW-3B	G2115-17A	V1K1802.D	23:48
06	SL-MW-14	G2115-18A	V1K1803.D	00:17
07	SL-MW-23SDL	G2115-03ADL	V1K1811.D	04:10

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Y

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1793.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Y

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1793.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1Y

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40217

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1793.D

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

% Moisture: not dec. Date Analyzed: 11/20/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.762	25	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Lab File ID: V1K1823.D Lab Sample ID: MB-40222

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/21/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 08:48

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1ZLCS	LCS-40222	V1K1824.D	09:32
02	V1ZLCSD	LCSD-40222	V1K1825.D	10:01
03	SL-MW-23D	G2115-04A	V1K1828.D	11:27
04	SL-MW-16	G2115-05A	V1K1829.D	11:56
05	SL-MW-6ADL	G2115-12ADL	V1K1832.D	13:23
06	SL-MW-5	G2115-13A	V1K1835.D	14:56

COMMENTS:

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1823.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1823.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40222

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1823.D

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

% Moisture: not dec. Date Analyzed: 11/21/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.752	17	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

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BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-40505

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

FIMS1_081204B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-40501

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

OPTIMA2_081204B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	69.9	B	56.0	U	56.0	U	56.0	U	56.000	U	
Arsenic	5.3	U	5.3	U	5.3	U	5.3	U	5.300	U	
Barium	8.5	U	8.5	U	8.5	U	8.5	U	8.500	U	
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.130	U	
Cadmium	0.1	B	0.1	B	0.1	U	0.1	U	0.140	U	
Calcium	130.0	U	130.0	U	132.3	B	130.0	U	134.817	B	
Chromium	1.1	U	1.1	U	1.2	B	1.1	U	1.100	U	
Cobalt	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	
Iron	61.0	U	61.0	U	61.0	U	61.0	U	61.000	U	
Lead	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	
Magnesium	77.0	U	77.0	U	77.0	U	77.0	U	77.000	U	
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	4.233	B	
Nickel	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	
Selenium	6.6	U	6.6	U	6.6	U	6.6	U	6.600	U	
Silver	0.6	U	0.6	U	0.6	U	0.6	U	0.590	U	
Thallium	4.2	U	4.2	U	4.2	U	4.7	B	4.200	U	
Vanadium	1.1	B	1.0	B	1.0	B	1.2	B	0.960	U	
Zinc	7.7	U	7.7	U	7.7	U	7.7	U	7.700	U	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG2115

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

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

OPTIMA2_081204B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum			56.0	U							
Arsenic			5.3	U							
Barium			8.5	U							
Beryllium			0.1	U							
Cadmium			0.2	B							
Calcium			154.3	B							
Chromium			1.1	U							
Cobalt			1.2	U							
Copper			5.0	U							
Iron			61.0	U							
Lead			2.2	U							
Magnesium			77.0	U							
Manganese			1.0	U							
Nickel			1.5	U							
Selenium			6.6	U							
Silver			0.6	U							
Thallium			4.2	U							
Vanadium			1.2	B							
Zinc			7.7	U							

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BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-40501

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

OPTIMA3_081205A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	41.0	U	41.0	U	52.1	B	41.9	B	41.000	U	
Sodium	19.7	B	56.1	B	54.2	B	31.8	B	32.913	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG2115

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

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

OPTIMA3_081205A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium			41.0	U							
Sodium			50.9	B							

U.S. EPA - CLP

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BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-40501

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

OPTIMA3_081205B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Antimony	4.6	U	4.6	U	4.6	U	4.6	U	4.600	U	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2115

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

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

OPTIMA3_081205B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Antimony			4.6	U							

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/17/2008 11/17/2008

EPA Sample No.(VSTD#####): VSTD0501W Date Analyzed: 11/19/2008

Lab File ID (Standard): V1K1731.D Time Analyzed: 16:51

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	652343		5.901		429432		9.507		231963		12.443	
	UPPER LIMIT	1304686		6.401		858864		10.007		463926		12.943	
	LOWER LIMIT	326172		5.401		214716		9.007		115982		11.943	
	EPA SAMPLE NO.												
01	VBLK1W	602519		5.905		405623		9.511		212822		12.428	
02	V1WLCS	626388		5.901		418216		9.507		224397		12.424	
03	V1WLCSD	632982		5.908		421508		9.505		220503		12.431	
04	SL-MW-11	653877		5.908		440621		9.514		219328		12.441	
05	SL-MW-23S	669827		5.895		444524		9.521		219649		12.447	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/17/2008 11/17/2008

EPA Sample No.(VSTD#####): VSTD0501X Date Analyzed: 11/20/2008

Lab File ID (Standard): V1K1757.D Time Analyzed: 05:34

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	670244		5.912		441740		9.518		228746		12.435	
	UPPER LIMIT	1340488		6.412		883480		10.018		457492		12.935	
	LOWER LIMIT	335122		5.412		220870		9.018		114373		11.935	
	EPA SAMPLE NO.												
01	VBLK1X	656090		5.909		439045		9.516		216501		12.442	
02	V1XLCS	683410		5.905		450577		9.511		230466		12.447	
03	V1XLCSD	673827		5.909		451107		9.515		235218		12.441	
04	TB-1	710454		5.919		470474		9.525		237572		12.441	
05	TB-2	659975		5.914		446084		9.520		225359		12.447	
06	SL-MW-12	639109		5.908		424178		9.515		214331		12.441	
07	SL-MW-13	643222		5.905		429175		9.521		221218		12.447	
08	SL-MW-73D	713081		5.919		454526		9.515		224177		12.441	
09	SL-MW-4	630898		5.924		430760		9.530		217668		12.447	
10	SL-MW-6B	627359		5.928		413856		9.534		215795		12.451	
11	SL-MW-6A	615442		5.915		426994		9.521		216323		12.438	
12	SL-MW-2	631587		5.913		425672		9.519		222077		12.446	
13	SL-MW-2MS	634619		5.909		426011		9.515		224795		12.441	
14	SL-MW-2MSD	639264		5.914		437799		9.520		227934		12.446	

IS1 () = Fluorobenzene

IS2 () = Chlorobenzene-d5

IS3 () = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/17/2008 11/17/2008

EPA Sample No.(VSTD#####): VSTD0501Y Date Analyzed: 11/20/2008

Lab File ID (Standard): V1K1791.D Time Analyzed: 18:30

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	642160		5.888		426238		9.504		228963		12.441	
	UPPER LIMIT	1284320		6.388		852476		10.004		457926		12.941	
	LOWER LIMIT	321080		5.388		213119		9.004		114482		11.941	
	EPA SAMPLE NO.												
01	VBLK1Y	639819		5.894		431107		9.510		218584		12.446	
02	V1YLCS	651733		5.903		437904		9.519		228216		12.436	
03	V1YLCSD	653993		5.898		440282		9.514		229377		12.441	
04	TB-3	634177		5.909		429029		9.515		219029		12.442	
05	SL-MW-3A	628074		5.915		425520		9.521		218257		12.448	
06	SL-MW-3B	658586		5.913		441596		9.519		222025		12.445	
07	SL-MW-14	669506		5.911		448473		9.517		218073		12.444	
08	SL-MW-23SDL	674959		5.914		454959		9.510		225112		12.437	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2115

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/17/2008 11/17/2008

EPA Sample No.(VSTD#####): VSTD0501Z Date Analyzed: 11/21/2008

Lab File ID (Standard): V1K1821.D Time Analyzed: 07:34

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	700959		5.899		467859		9.505		236667		12.431	
	UPPER LIMIT	1401918		6.399		935718		10.005		473334		12.931	
	LOWER LIMIT	350480		5.399		233930		9.005		118334		11.931	
	EPA SAMPLE NO.												
01	VBLK1Z	688161		5.904		463310		9.500		227544		12.436	
02	V1ZLCS	701216		5.901		464893		9.507		238112		12.424	
03	V1ZLCSD	674743		5.908		457747		9.505		242287		12.431	
04	SL-MW-23D	643986		5.902		438759		9.498		220015		12.434	
05	SL-MW-16	648593		5.904		443701		9.501		218402		12.427	
06	SL-MW-6ADL	638832		5.884		430597		9.490		221625		12.426	
07	SL-MW-5	644509		5.899		439888		9.505		221939		12.422	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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