FINAL GROUNDWATER SAMPLING REPORT (February 2010 Sampling Event)

Site: ServAll Laundry Site, Site # 1-52-077
Bay Shore, Suffolk County, NY
Multi Site G
Operation, Maintenance & Monitoring
Work Assignment D004445-14.3

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

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

Prepared by:
AECOM Technical Services Northeast, Inc.
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100 Red Schoolhouse Road, Suite B-1
Chestnut Ridge, New York 10977

October 2010

AECOM Project No. 60135736.40

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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. D004445-14.3. Previous investigations are discussed below. This report presents the results from the groundwater sampling conducted in February 2010. Four sampling events have been conducted under this long-term monitoring work assignment as summarized below:

- The first round of samples (Round 1) was collected in June 2006.
- A abbreviated round of groundwater sampling (Round 1A) 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 (Round 2) was collected in August 2007.
- The third full round of samples (Round 3) was collected in November 2008.
- The fourth round of samples (Round 4) was collected in February 2010.

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. From 1978 to 1983, Suffolk County department of Health Services (NCDHS) cited ServAll Laundry for numerous violations including improper storage and disposal of drummed waste, overflowing cesspools and discharge of industrial waste without a State SPDES permit. In 1983, SCDHS conducted a groundwater investigation in the Bay Shore area to assess PCE contamination. A groundwater contaminant plume of PCE and vinyl chloride has migrated to the Southern State Parkway. A second groundwater investigation was conducted in 1987 by SCDHS and the US Geological Survey. This investigation confirmed the contaminant plume and determined the extent of the plume was migrating south. In 1990, NYSDEC conducted a remedial investigation/feasibility study (RI/FS). A Record of Decision was issued by NYSDEC on 1992 that recommended soil vapor extraction to remediate soil contamination and, groundwater extraction and treatment for the shallow aquifer.

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-3B, and MW-9 could not be located during the first two full sampling events (June 2006 and August 2007). MW-2 and MW-3B were located during Round 3, and these two wells have been included in both the Round 3 and Round 4 sampling events; however, MW-9 remains missing and has not been sampled in any of the four events. Monitoring well MW-11, located on the Bay Shore school athletic fields, was located but could not be sampled during the February 2010 sampling event. When the field crew arrived, the flushmount lid and locking J-plug were missing. An obstruction was

encountered at a depth of about 25 feet below ground surface (ft bgs). The field crew was unable to clear the obstruction. MW-1 was added in Round 4 (February 2010).

3.0 FIELD ACTIVITIES

The fourth sampling event occurred on February 2, 3 and 4, 2010. 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 February 2010 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 February 2010 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 February 2010 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, reducing the number of available wells to 14. During the first two long-term monitoring sampling events (2006 and 2007), 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 (Round 2) sampling event, MW-11 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. During the February 2010 sampling event, the field crew was unable to collect a sample at MW-11 due to the obstruction. MW-1, located behind the ServAll building, was found for the first time during the February 2010 sampling event and a sample was collected by the field crew. For the February 2010 Round 4 sampling event, a total of 14 monitoring wells sampled (the 15 long-term monitoring wells, less MW-9 and MW-11, but with MW-1 added).

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 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 limited review of the data packages for completeness and readily apparent anomalies (see section 4.4, below). The laboratory Data Summary Packages are in Appendix C. Of the 15 wells selected for sampling, 13 were sampled as noted in Section 2.0.

4.1 Laboratory Data Issues

An issue noted during Round 3 data review was the presence of acetone, 2-butanone and toluene in the November 2008 sample collected at MW-5. During the November 2008 sampling event, the concentration of 2-butanone was less than the Class GA criterion and was therefore not considered a groundwater issue. Acetone was present at a concentration of 170 µg/L (Class GA criterion of 50 µg/L) and toluene was present at a concentration of 1,200 µg/L (Class GA criterion of 5 µg/L). A review of the November 2008 laboratory data report confirmed that peaks appeared valid and these compounds were present in the sample. After discussions with NYSDEC, it was decided that these compounds might represent laboratory or possibly field contamination and were not representative of actual groundwater conditions. Neither acetone nor 2-butanone were detected in the Round 4 sample from MW-5S. However, toluene was again detected in this sample but at a much lower concentration, 230 µg/L.

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, and MW-4 during any of the four long-term monitoring sampling events conducted to date at the ServAll Site.

Monitoring well MW-2 was not located until the November 2008 sampling event. 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 2008 sampling event. Toluene was also detected at an estimated concentration of 1.4 µg/L (below the Class GA criterion of 5 µg/L). No VOCs were detected during the February 2010 sampling event.

VOCs were not detected above the Class GA criterion during the first three sampling events at monitoring well MW-5. Estimated concentrations of cis-1,2-DCE (3 µg/L and 2 µg/L) were detected during the June 2006 and April 2007 sampling events (Round 1 and 1A) but were not detected during the August 2007, November 2008 or February 2010 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). Acetone was detected at a concentration of 170 µg/L (Class GA criterion of 50 µg/L) only during the November 2008 sampling event. 2-Butanone was detected only during the November 2008 sampling event at an estimated concentration of 38 µg/L (less than the Class GA criterion of 50 µg/L). During the Round 3 event in November 2008, toluene was detected at a concentration of 1,200 µg/L and was detected again during the February 2010 sampling event at a concentration of 230 µg/L (Class GA criterion of 5 µg/L).

VOCs were not detected in monitoring well MW-6A during the first four sampling events. During the February 2010 sampling event, PCE was detected at an estimated concentration of 1.2 µg/L (Class GA criterion of 5 µg/L).

Three VOCs were detected in monitoring well MW-6B above the Class GA criteria. Cis-1,2-DCE was detected above the Class GA criterion of 5 µg/L during all five sampling events at concentrations of 210 µg/L, 120 µg/L, 130 µg/L, 140 µg/L and 190 µg/L. Trichloroethene (TCE) was detected above the Class GA criterion of 5 µg/L during all five sampling events at concentrations of 85 µg/L, 27 µg/L, 26 µg/L, 30 µg/L, and 40 µg/L. PCE was detected above the Class GA criterion of 5 µg/L during all five sampling events at concentrations of 1,100 µg/L, 650 µg/L, 480 µg/L, 470 µg/L, and 2,000 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). Chlorobenzene and methyl tert butyl ether (MTBE) were also detected but at concentrations below the Class GA criteria. An obstruction in the well prevented collection of a sample during the February 2010 sampling event.

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; however, PCE was not detected during the February 2010 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 during the June 2006 sampling event and at an estimated 1 µg/L during the November 2008 sampling event (Class GA criterion of 5 µg/L). No

other VOCs were detected in monitoring well MW-13 above the Class GA criteria during the four sampling events.

No VOCs were detected above the Class GA criteria in MW-14 during any of the four sampling events. PCE was detected at an estimated concentration of 2 µg/L during the August 2007 sampling event and MTBE was detected at an estimated concentration of 1.1 µg/L during the February 2010 sampling event.

Four VOCs have been detected in monitoring well MW-16 at concentrations above the Class GA criteria during the four sampling events. PCE was detected at concentrations of 25 µg/L, 2 µg/L, 6.9 µg/L and 48 µg/L (Class GA criterion of 5 µg/L). TCE was detected in three of four sampling events at concentrations of 16 µg/L, not detected (ND), 1.1 µg/L, and 11 µg/L (Class GA criterion of 5 µ/L). 1,1,1-Trichloroethane was detected in two of four sampling events at concentrations of 5 µg/L, ND, ND, and 2.8 µg/L (Class GA criterion of 5 µg/L). cis 1,2-Dichloroethene was detected during three of the four sampling events at concentrations of 15 µg/L, ND, 2.1 µg/L, and 16 µg/L (Class GA criterion of 5 µg/L). Three other VOCs, including MTBE, 1,1-dichloroethene, and vinyl chloride, have been detected in samples from MW-16 but at concentrations below their Class GA criteria.

Three VOCs have been detected in monitoring well MW-23S above the Class GA criteria. Cis-1,2-DCE was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 360 µg/L, 180 µg/L, 45 µg/L, and 38 µg/L. TCE was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 220 µg/L, 99 µg/L, 18 µg/L and 15 µg/L. PCE was detected above the Class GA criterion of 5 µg/L during all four sampling events at concentrations of 5,200 µg/L, 1,700 µg/L, 500 µg/L, and 590 µg/L. Three other VOCs, including trans-1,2-dichloroethene, MTBE, and 1,1,1-trichloroethane have been detected at concentrations below their respective Class GA criterion.

One VOC has been detected in monitoring well MW-23D. PCE has been detected during all four sampling events at concentrations of 4 µg/L, 6 µg/L, 7.7 µg/L, and 8.3 µg/L, three of which exceed the Class GA criterion of 5 µg/L.

4.3 TAL Metals

No samples were collected at monitoring well MW-2 during the June 2006 and August 2007 sampling events as this monitoring well could not be located. Six metals were detected above the groundwater criteria during the November 2008 and February 2010 sampling events at monitoring well MW-2. Cadmium was detected at concentrations of 8.8 µg/L and 43.7 µg/L (Class GA criterion of 5 µg/L). Chromium was detected at concentrations of 113 µg/L and 236 µg/L (Class GA criterion of 50 µg/L). Iron was detected at concentrations of 3,120 µg/L and 2,030 µg/L (Class GA criterion of 300 µg/L). Manganese was detected at concentrations of 396 µg/L and 325 µg/L (Class GA criterion of 300 µg/L). Nickel was detected at a concentration of 1,390 µg/L during the November 2008 sampling event, which exceeds the Class GA criterion of 100 µg/L, but was less than the criterion during the February 2010 sampling event at a concentration of 72 µg/L.

Six metals have been detected above the criteria in monitoring well MW-3A during the four sampling events. Antimony was not detected during three of four sampling events but exceeded the 3 µg/L criterion during the November 2008 at a concentration of 5.1 µg/L. Cadmium concentrations have exceeded the 5 µg/L criterion during the past two sampling events at concentrations of 5.9 µg/L and 6.8 µg/L. Chromium concentrations have exceeded the Class GA criterion of 50 µg/L during three of four sampling events with concentrations of 55.8 µg/L, 92.9 µg/L 36.3 µg/L and 169 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 1,070 µg/L, 911 µg/L, 3,040 µg/L and 13,900 µg/L. Manganese concentrations exceeded the Class GA criterion of 300 µg/L during the last two sampling events at 1,840 µg/L and 2,580 µg/L. Sodium concentrations exceeded the Class GA criterion of 20,000 during the June 2006 sampling event (129,000 µg/L); and the February 2010 sampling event (64,700 µg/L), but was below the criterion during the August 2007 and November 2008 sampling events.

Groundwater samples were not collected at MW-3B during the June 2006 and August 2007 sampling events because the well had not been located prior to the 2008 sampling event. Concentrations of seven metals exceeded the groundwater criteria during the November 2008 and February 2010 sampling events at monitoring well MW-3B. Chromium was detected at concentrations of 624 µg/L and 901 µg/L (Class GA criterion of 50 µg/L). Iron was detected at concentrations of 4,610 µg/L and 4,800 µg/L (Class GA criterion of 300 µg/L). The concentration of lead in MW-3B (29.3 µg/L) slightly exceeded the Class GA criterion of 25 µg/L during the February 2010 event. Manganese exceeded the Class GA criterion of 300 µg/L only during the November 2008 sampling event at a concentration of 447 µg/L. Nickel concentrations exceeded the 100 µg/L criterion during both sampling events at concentrations of 540 and 121 µg/L. The sodium concentration exceeded the 20,000 µg/L criterion only during the February 2010 sampling event at 22,300 µg/L.

At MW-4, 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 (Round 3) 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 first three sampling events (Round 1, 1A, and 2) at MW-4, and was below the criterion in Round 4. Chromium was detected above the Class GA criterion of 50 µg/L during each of the five sampling events at concentrations of 534 µg/L, 337 µg/L, 382 µg/L, 321 µg/L, and 343 µg/L. Iron was detected above its criterion of 300 µg/L during all five sampling events: 1,710 µg/L, 1,970 µg/L, 2,970 µg/L, 3,280 µg/L, and 3,150 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, respectively; and at 599 µg/L in February 2010. Nickel was detected above the Class GA criterion of 100 µg/L during all five sampling events at concentrations of 240 µg/L, 565 µg/L, 702 µg/L, 1,860 µg/L, and slightly exceeded the criterion in Round 5 (103 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, and exceeded the criterion in Round 5 (85,500 µg/L).

Six metals (chromium, iron, manganese, nickel, sodium and thallium) were detected at concentrations exceeding the Class GA groundwater criteria during the five sampling events in monitoring well MW-5. Chromium was detected above the Class GA criterion of 50 µg/L during all five sampling events at concentrations of 80.5 µg/L, 79.8 µg/L, 1,370 µg/L, 116 µg/L, and 201 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all five sampling events at concentrations of 934 µg/L, 483 µg/L, 7,140 µg/L, 49,400 µg/L, and 26,900 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during the August 2007, November 2008, and February 2010 sampling events at concentrations of 3,550 µg/L, 1,830 µg/L, and 2410 µg/L, respectively. Nickel was detected above the Class GA criterion of 100 µg/L during two of five 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, November 2008, and February 2010 sampling events at concentrations of 43,300 µg/L, 59,200 µg/L, and 39,200 µg/L, respectively. Thallium was detected at an estimated concentration of 1.4 µg/L exceeding the Class GA criterion of 0.5 µg/L during the June 2006 sampling event and exceeded the criterion at an estimated concentration of 14 µg/L during the February 2010 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 five sampling events at concentrations of 607 µg/L, 1,280 µg/L, 639 µg/L,88.8 µg/L, and 340 µg/L. Iron was detected above the Class GA criterion of 300 µg/L during all five sampling events at concentrations of 3,780 µg/L, 6,330 µg/L, 4,410 µg/L, 4,200 µg/L, and 4,380 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during all five sampling events at concentrations of 7,140 µg/L, 3,890 µg/L, 6,410 µg/L, 3,250 µg/L, and 346 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during the first four sampling events at concentrations of 160 µg/L, 273 µg/L, 1,130 µg/L and 196 µg/L, but was less than the criterion in Round 5 (83.1 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 but rebounded to 92,200 µg/L in Round 5. 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 four 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 but exceeded the criterion in Round 5 (225 µg/L). Iron was detected above the Class GA criterion of 300 µg/L during all five sampling events at concentrations of 1,950 µg/L, 5,500 µg/L, 9,130 µg/L, 5,950 µg/L and 28,500 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; the Round 5 concentration of 269 µg/L was slightly below the criterion. 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, and no sample was collected at MW-11 during Round 5. 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 during the four rounds of sampling conducted at 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 four sampling events at concentrations of 1,130 µg/L, 1,730 µg/L, 1,170 µg/L, and 723 µg/L in Round 4. Iron was detected above the Class GA criterion of 300 during all four sampling events at concentrations of 2,810 µg/L, 7,040 µg/L, 4,720 µg/L, and 3,730 µg/L in Round 4. Manganese was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 746 µg/L, 512 µg/L, 600 µg/L, and 498 µg/L. Nickel was detected above the Class GA criterion of 100 µg/L during the first three sampling events at concentrations of 1,290 µg/L, 130 µg/L and 519 µg/L but was below criterion at 53.2 µg/L in Round 4. Sodium was detected above the Class GA criterion of 20,000 µg/L during all four sampling events at concentrations of 62,500 µg/L, 42,000 µg/L, 40,100 µg/L, and 62,700 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; thallium has not been detected in any of the subsequent sampling events through February 2010.

Seven metals were detected at concentrations exceeding the Class GA groundwater criteria in the four rounds of sampling at 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 four sampling events and exceeded the Class GA criterion of 5 µg/L during the August 2007 and February 2010 sampling events at concentrations of 48.1 µg/L and 42.4 µg/L, respectively. Chromium was detected at a concentration of 263 µg/L and 330 µg/L during the August 2007 and February 2010 sampling events, exceeding the Class GA criterion of 50 µg/L; chromium concentrations were 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 the August 2007 sampling event (1,470 µg/L), the November 2008 sampling event (1,140 µg/L), and the February 2010 sampling event (2070 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) and February 2010 event (446 µg/L). Sodium was detected above the Class GA criterion of 20,000 µg/L during all four sampling events at concentrations of 35,700 µg/L, 41,000 µg/L, 34,300 µg/L, and 36,800 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.

During the four rounds of sampling at MW-14, four metals have been detected at concentrations exceeding the Class GA groundwater criteria. Chromium was detected above the Class GA criterion of 50 µg/L during the August 2007, November 2008, and February 2010 sampling events at concentrations

of 100 µg/L, 59.6 µg/L, and 196 µg/L, respectively. Iron was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 449 µg/L, 1,170 µg/L, 821 µg/L, and 1,200 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during all four sampling events at concentrations of 60,500 µg/L, 31,700 µg/L, 70,400 µg/L, and 76,300 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; thallium was not detected in Round 4.

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 four sampling events at concentrations of 1,660 µg/L, 666 µg/L, 184 µg/L, and 326 µg/L. Iron as detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 7,270 µg/L, 5,520 µg/L, 2,440 µg/L, and 1460 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, November 2008, and February 2010 sampling events at concentrations of 24,500 µg/L, 33,600 µg/L, and 34,300 µg/L, respectively.

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, November 2008, or February 2010 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 and sampling event at a concentration of 544 µg/L, but the Round 4 concentration was below the criterion at 2720 µg/L. Manganese was detected above the Class GA criterion of 300 µg/L during all four sampling events at concentrations of 1,570 µg/L, 1,370 µg/L, 1,230 µg/L, and 1,420 µg/L. Sodium was detected above the Class GA criterion of 20,000 µg/L during all four sampling events at concentrations of 28,700 µg/L, 35,200 µg/L, 25,500 µg/L, and 23,500 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 2007and November 2008 sampling events; thallium (8.6 µg/L) exceeded the criterion in the February 2010 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 or February 2010 sampling events. 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; the Round 5 iron concentration (576 µg/L) exceeded criterion. 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, November 2008, or February 2010 sampling events.

4.4 Round 4 (February 2010) Data Quality Review

In accordance with the project plans, data generated for this investigation were not subject to formal validation. However, AECOM's quality assurance officer (QAO) reviewed the data for reasonableness and the presence of any anomalies, including issues identified by the laboratory in the case narrative, and other items noted in review of shipping and handling documentation, inconsistencies with previous data, and review of the laboratory QA forms. The QAO also reviewed the field duplicate data.

4.4.1 Round 4 Volatile Organic Compound Data Quality

During the February 2010 sampling, the laboratory reported a low concentration of xylene in one sample (1.1 µg/L in MW-1) but also noted that xylene was detected in the associated laboratory method blank. In accordance with USEPA Region 2 data validation SOPs and the USEPA National Functional Guidelines, this detection has been negated and is reported as not detected (5 U) in the tabulated data.

Other laboratory QC (laboratory control sample [LCS], LCS duplicate, laboratory spike and duplicate, etc.) was good; only very minor deviations from criteria were noted.

Due to high concentrations (exceeding the calibration range) of one or more target compounds, three samples (MW-5, MW-6B, and MW-23S) required dilution. The result from the dilution analysis is shown for the analyte which exceeded the calibration range; for all other analytes, the tabulated data are from the undiluted (initial) analysis.

One site-specific field duplicate pair (SLMW-13SL/MW-63) was analyzed for VOCs. As no target analytes were detected in the sample or duplicate, precision cannot be assessed quantitatively (i.e., the relative percent difference cannot be calculated). However, the agreement of the results is a qualitative indication of acceptable precision.

4.4.2 Round 4 Metals Data Quality

Round 4 metals data quality appears good. All lab-reported QC was with the control limits. Metals QC was performed on site samples MW-5 for mercury, MW-23D for lead, and MW-3B for all other metals.

One site-specific field duplicate pair (SLMW-13SL/MW-63) was analyzed for metals. Precision was very good; the relative percent difference was less than 6 percent for all analytes detected at concentrations greater than the low calibration limit, and was less than 30 percent for all 17 detected analytes. The duplicate data is shown on Table 4.

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, and MW-4. Monitoring well MW-2 was sampled for the first time during November 2008 and a slight exceedance of benzene was noted; no

VOCs were detected in MW-2 in February 2010. No VOCs were detected in MW-6A in the first three sampling events (plus the confirmation event). A low concentration of PCE (1.2 µg/L, less than the Class GA criterion) was detected in February 2010. Concentrations of detected VOCs were below the NYSDEC Class GA Groundwater Criteria in monitoring wells MW-5 (excluding the acetone and toluene as discussed in section 4.1) and MW-14.

PCE was detected at the Class GA criteria in monitoring well MW-13 during the June 2006 sampling event, but has not exceeded the criterion for the last three sampling events. VOCs concentrations at monitoring well MW-16 have exceeded criteria during three of four sampling events. PCE concentrations at MW-23D were below the criterion during the June 2006 sampling event but were above the criterion during the last three sampling events.

Five VOCs were detected at concentrations above their Class GA criteria in one or more of monitoring wells MW-6B, MW-11, MW-12, and MW-23S. These exceedances included cis-1,2-DCE, 1,1,1-trichloroethane, TCE, PCE, and 1,2 dichlorobenzene during the June 2006, April 2007, August 2007, November 2008, and February 2010 sampling events.

Concentrations of cis-1,2-DCE (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; 1,1,1-TCA was detected in MW-14 (1.1 µg/L) MW-16 (2.8 µg/L) and MW-23S (1.3 µg/L) in February 2010 at concentrations less than the Class GA criterion. 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 5. The data presented on this table is a compilation of data available for review during the preparation of this report. A graph of the historic PCE concentrations is also illustrated on Figure 5. PCE concentrations show a significant increase in monitoring wells MW-6B and MW-23S during 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; however, the concentration increased significantly to 2,000 µg/L in the February 2010 event. A graph of the PCE concentrations at MW-6B for the four long term sampling events (2006 – 2010, plus the confirmation sampling event) is shown on Figure 6A.

PCE concentrations have also significantly increased in monitoring well MW-23S. Historically, PCE concentrations at this location were less than 30 µg/L (between 1995 and 2004) and was 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, and held fairly constant in the

February 2010 event (590 µg/L). A graph of the PCE concentrations at MW-23S for the four long-term sampling events (2006 – 2010) is shown on Figure 6A.

1,1,1-Trichloroethane, PCE and its breakdown daughter products (TCE and cis-1,2-DCE) were detected in several monitoring wells in February 2010. Of the seven monitoring wells near the Site that were sampled (MW-2, MW-3A, MW-3B, MW-4, MW-5, MW-6A and MW-6B), the PCE concentration exceeded criteria only in shallow monitoring well MW-6B (2,000 µg/L); it was not detected, or detected below the GA criterion, in the other six wells near the Site.

Three of the monitoring wells sampled as part of the long-term monitoring program are 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 (10 µg/L; the PCE concentration in this well has exceeded the criterion in each event since 2006). PCE was not detected in monitoring wells MW-13 or MW-14, similar to previous sampling events. 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 and February 2010). At MW-16, the other well near the school, the concentrations of VOCs have all increased since November 2008; the concentrations of cis-1,2-DCE, TCE and PCE all exceeded the criterion. A graph of the PCE concentrations at MW-11, MW-12 and MW-16 for the four long-term sampling events are shown on Figure 6B.

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-DCE in the August 2007 event, and PCE was detected above the criterion in MW-23D at a concentration of 6 µg/L. In the two most recent events (November 2008 and February 2010), concentrations of PCE, cis-1,2-DCE and TCE have decreased significantly (PCE at 500 µg/L and 590 µg/L; cis-1,2-DCE at 45 µg/L and 38 µg/L; and TCE at 18 µg/L and 15 µg/L). A graph of the PCE concentrations at MW-23S for the four long-term sampling events is shown on Figure 6A. The PCE concentrations (other analytes being not detected) have remained fairly constant at MW-23D, with concentrations of 7.7 and 8.3 µg/L detected in November 2008 and February 2010, respectively. A graph of the PCE concentrations from the four long-term sampling events at MW-23D is included on Figure 6B.

5.2 Summary of TAL Metals

Of the 23 TAL metals, eight metals have been detected at least once at concentrations above their Class GA criteria. These exceedances included antimony, cadmium, chromium, iron, manganese, nickel, sodium, and thallium. Three of these 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. In the November 2008 event, antimony exceeded the criterion in MW-3A and MW-12. In February 2010, antimony was not detected in any sample.

Cadmium has been detected in most of the samples collected at the Site but had only exceeded the criterion once in sampling events in 2006 and 2007 (88.1 µg/L in MW-13 in August 2007). However, in the two most recent events (November 2008 and February 2010) cadmium concentrations have exceeded the criterion in MW-2 (8.8 µg/L in November 2008 and 43.7 µg/L in February 2010), MW-3A (5.9 µg/L in November 2008 and 6.8 µg/L February 2010), MW-4 (6.1 µg/L in November 2008), MW-13 (53.6 µg/L in November 2008 and 42.4 µg/L in February 2010), and MW-23S (9.4 µg/L in November 2008).

Chromium was detected in all samples during all sampling events to date and exceeded the criterion in most of the samples. The only exceptions are MW-23S and MW-23D, at which chromium concentrations have not exceeded the criterion in any sampling event, and chromium was not detected in either of these wells in the November 2008 event.

Nickel has exceeded the Class GA criterion of 100 µg/L at least once in nine wells: MW-2, MW-3B, MW-4, MW-5, MW-6, MW-6A, MW-12, MW-13, and MW-16. In the February 2010 event, nickel concentrations greater than 100 µg/L were detected in three monitoring wells (MW-3B, MW-4, and MW-13).

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. Thallium concentrations did not exceed criteria in any sample collected in November 2008. In February 2010, thallium concentrations exceeded criteria in MW-3A (16.7 µg/L), MW-5 (14 in µg/L), and MW-23S (8.6 µg/L).

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 will be re-evaluated during the next sampling event. Chromium concentrations continue to exceed the criterion in most of the monitoring wells (all except MW-23S and MW-23D). Cadmium concentrations have exceeded the Class GA criterion more frequently in the last two sampling events (relative to the one exceedance in 2007 and no exceedances in 2006).

Geoprobe sampling should be conducted behind the ServAll Building to evaluate the source of PCE soil gas found beneath the ServAll building floor during the soil vapor intrusion sampling in 2009 and 2010, and in groundwater samples from MW-6B.

The next round of groundwater sampling is scheduled for May 2011.

FIGURES

TABLES

APPENDIX A

WELL SAMPLING FORMS

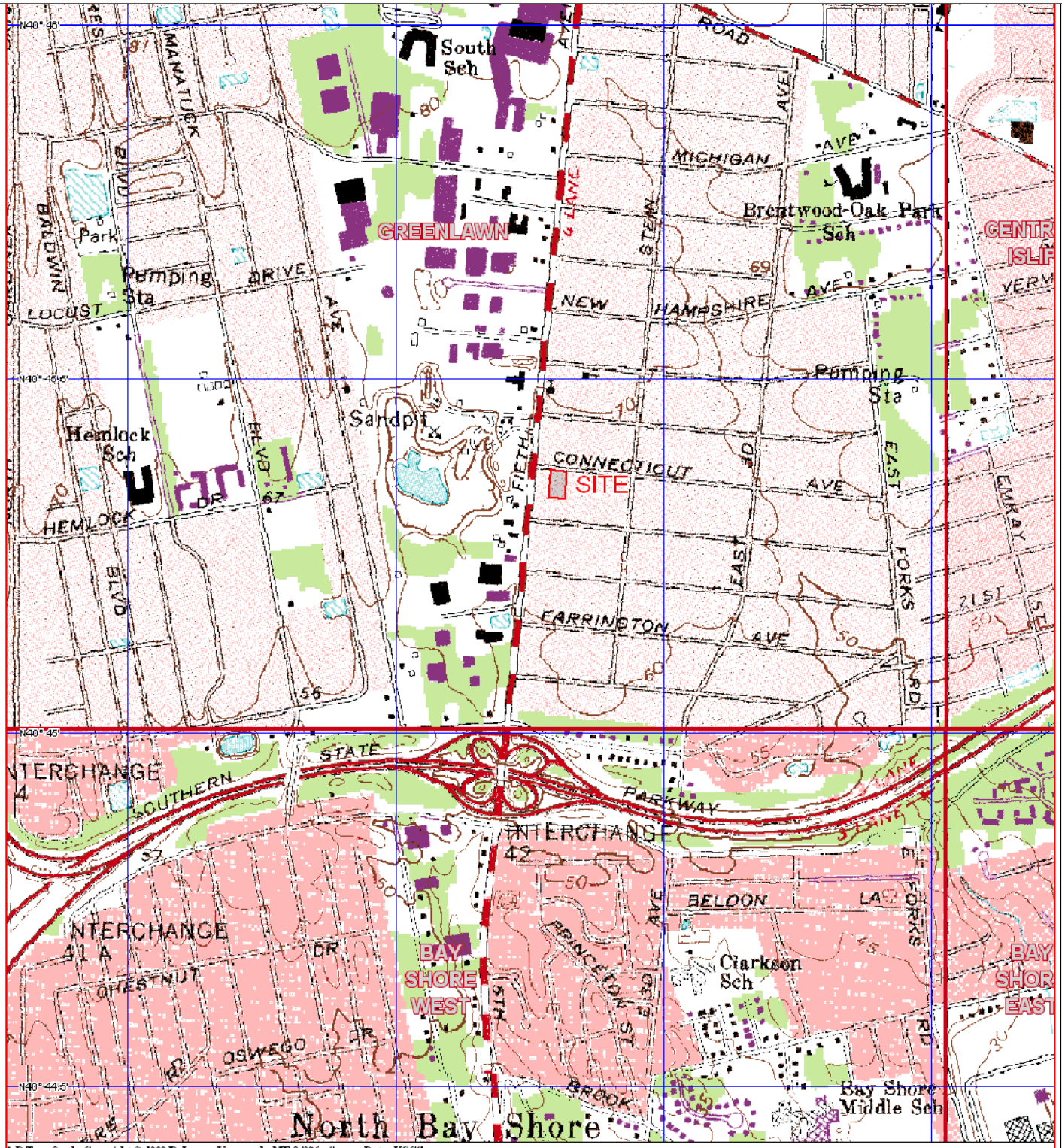
APPENDIX B

NYSDEC MONITORING WELL FIELD INSPECTION LOGS

APPENDIX C

LABORATORY DATA SUMMARY PACKAGES (FORM 1s)

FIGURES



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS

400 ft Scale: 1 : 14,400 Detail: 13-7 Datum: WGS84

SYMBOL	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

Prepared by : AECOM		For : NYSDEC	
DESIGNED BY : MKC	SERVALL LAUNDARY SITE BAY SHORE, NEW YORK		
DRAWN BY : MKC	SITE LOCATION MAP		
CHECKED BY : PK			
SUBMITTED BY : PK	DATE : August 2009	SCALE : 1"=400'	FIGURE NO. : 1

LEGEND:

MW-16 EXISTING MONITORING WELLS

MW-10 DAMAGED OR MISSING MONITORING WELLS

GRAPHIC SCALE

1600 800 0 800 1600

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**MONITORING WELL LOCATION MAP**
APPROVED BY : PK	DATE : JUNE 2010 / SCALE : AS SHOWN / DRAWING NO. : 2

LEGEND:

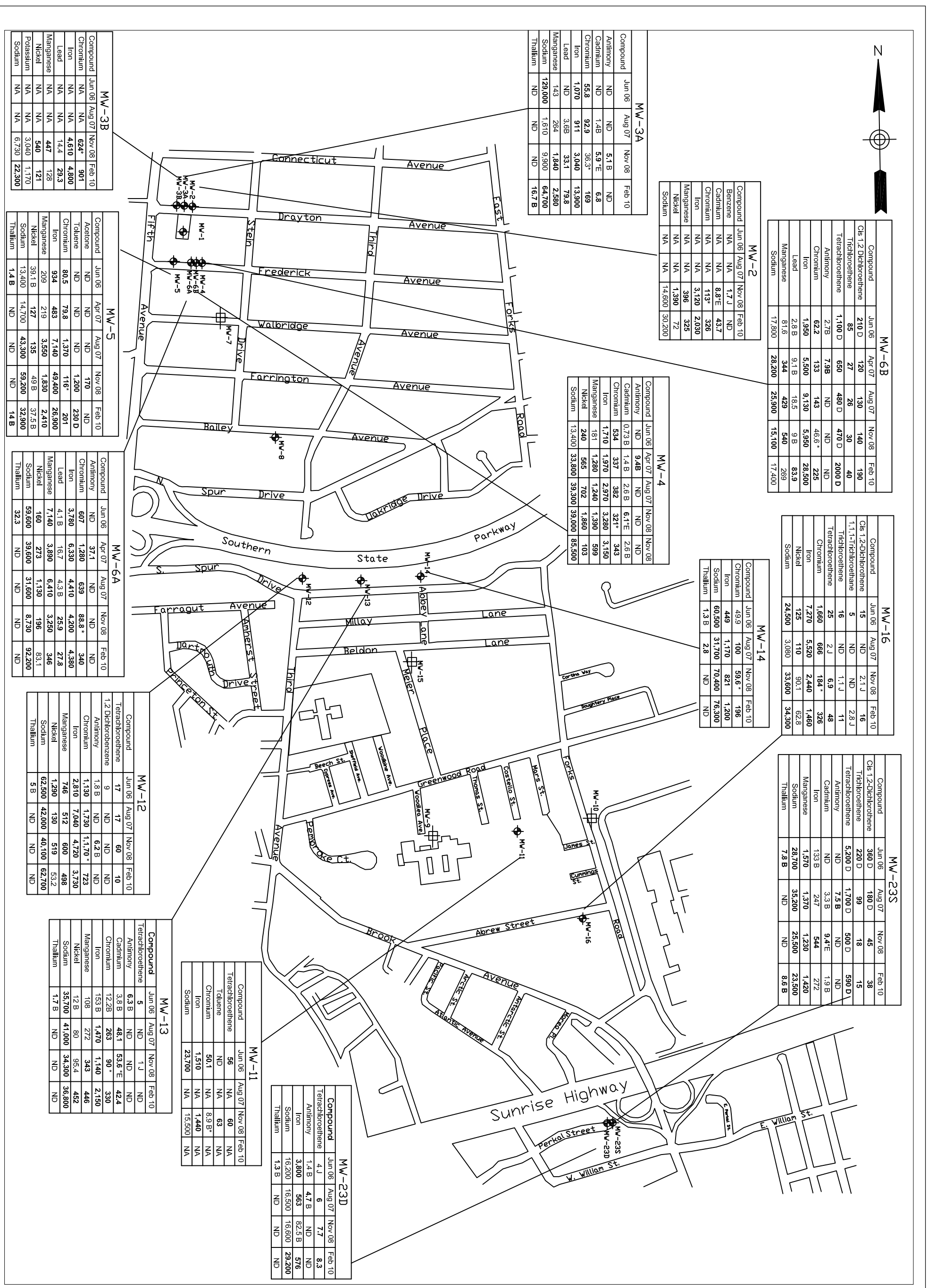
- MW-16 — EXISTING MONITORING WELLS
- DAMAGED OR MISSING MONITORING WELLS
- (24) — GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
- - -36- - — GROUNDWATER ISOPLETH CONTOUR INTERVAL - 2.0 ft
- DIRECTION OF GROUNDWATER FLOW

GRAPHIC SCALE

1600 800 0 800 1600

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SERVALL LAUNDRY SITE SITE NO. 1-52-026
DRAWN BY : SC	**GROUNDWATER CONTOUR MAP FEBRUARY 1, 2010**
APPROVED BY : PK	DATE : JUNE 2010 / SCALE : AS SHOWN / DRAWING NO. : 3



Compound	Jun 06	Aug 07	Nov 08	Feb 10
Antimony	ND	ND	**5.1** B	ND
Cadmium	ND	1.4B	**5.9** *E	**6.8**
Chromium	**55.8**	**92.9**	36.3*	**169**
Iron	**1,070**	**911**	**3,040**	**13,900**
Lead	ND	3.6B	**33.1**	**79.8**
Manganese	143	264	**1,840**	**2,580**
Sodium	**129,000**	1,610	9,900	**64,700**
Thallium	ND	ND	ND	**16.7 B**

MW-3A

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Benzene	NA	NA	**1.7** J	ND
Cadmium	NA	NA	**8.8***E	**43.7**
Chromium	NA	NA	**113***	**326**
Iron	NA	NA	**3,120**	**2,030**
Manganese	NA	NA	**396**	**325**
Nickel	NA	NA	**1,390**	72
Sodium	NA	NA	14,600	30,200

MW-2

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Chromium	NA	NA	**624***	**901**
Iron	NA	NA	**4,610**	**4,800**
Lead	NA	14.4	**29.3**	
Manganese	NA	**447**	128	
Nickel	NA	**540**	**121**	
Potassium	NA	3,040	1,170	
Sodium	NA	6,730	**22,300**	

MW-3B

Compound	Jun 06	Apr 07	Aug 07	Nov 08	Feb 10
Acetone	ND	ND	ND	**170**	ND
Toluene	ND	ND	ND	**1,200**	**230 D**
Chromium	**80.5**	**79.8**	**1,370**	**116***	**201**
Iron	**934**	**483**	**7,140**	**49,400**	**26,900**
Manganese	209	219	**3,550**	**1,830**	**2,410**
Nickel	39.1 B	**127**	**135**	49 B	37.5 B
Sodium	13,400	14,700	**43,300**	**59,200**	**32,900**
Thallium	**1.4 B**	ND	ND	ND	**14 B**

MW-5

Compound	Jun 06	Apr 07	Aug 07	Nov 08	Feb 10
Cis 1,2 Dichloroethene	**210** D	**120**	**130**	**140**	
Trichloroethene	**85**	**27**	**26**	**30**	
Tetrachloroethene	**1,100** D	**650**	**480** D	**470** D	**2,000**
Antimony	2.7B	**7.9B**	ND	ND	
Chromium	**62.2**	**133**	**143**	46.6*	
Iron	**1,950**	**5,500**	**9,130**	**5,950**	**2,410**
Lead	2.8 B	9.1 B	18.5	9 B	
Manganese	81.6	**344**	**429**	**540**	**2,000**
Sodium	17,800	**28,200**	**25,900**	**15,100**	**17,400**

MW-6B

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Cis 1,2-Dichloroethene	**15**	ND	2.1 J	**16**
1,1,1-Trichloroethane	**5**	ND	ND	2.8 J
Trichloroethene	**16**	ND	1.1 J	**11**
Tetrachloroethene	**25**	2 J	**6.9**	**48**
Chromium	**1,660**	**666**	**184** *	**326**
Iron	**7,270**	**5,520**	**2,440**	**1,460**
Nickel	**125**	**110**	90.1	62.8
Sodium	**24,500**	3,080	**33,600**	**34,300**

MW-16

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Chromium	49.9	**100**	**59.6** *	**196**
Iron	**449**	**1,170**	**821**	**1,200**
Sodium	**60,500**	**31,700**	**70,400**	**76,300**
Thallium	**1.3** B	**2.8**	ND	ND

MW-14

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Cis 1,2-Dichloroethene	**360** D	**180** D	**45**	**38**
Trichloroethene	**220** D	**99**	**18**	**15**
Tetrachloroethene	**5,200** D	**1,700** D	**500** D	**590 D**
Antimony	ND	**7.5 B**	ND	ND
Cadmium	ND	3.3 B	**9.4***E	1.9 B
Iron	133 B	247	**544**	272
Manganese	**1,570**	**1,370**	**1,230**	**1,420**
Sodium	**28,700**	**35,200**	**25,500**	**23,500**
Thallium	**7.8 B**	ND	ND	**8.6 B**

MW-23S

Compound	Jun 06	Apr 07	Aug 07	Nov 08	Feb 10
Antimony	ND	**37.1**	ND	ND	ND
Chromium	**607**	**1,280**	**639**	**88.8** *	**340**
Iron	**3,780**	**6,330**	**4,410**	**4,200**	**4,380**
Lead	4.1 B	16.7	4.3 B	**25.9**	**27.8**
Manganese	**7,140**	**3,890**	**6,410**	**3,250**	**346**
Nickel	**160**	**273**	**1,130**	**196**	83.1
Sodium	**59,600**	**39,600**	**31,600**	**8,730**	**92,200**
Thallium	**32.3**	ND	ND	ND	ND

MW-6A

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Tetrachloroethene	**17**	**17**	**60**	**10**
1,2 Dichlorobenzene	9	ND	ND	ND
Antimony	1.8 B	ND	**6.2** B	ND
Chromium	**1,130**	**1,730**	**1,170** *	**723**
Iron	**2,810**	**7,040**	**4,720**	**3,730**
Manganese	**746**	**512**	**600**	**498**
Nickel	**1,290**	**130**	**519**	53.2
Sodium	**62,500**	**42,000**	**40,100**	**62,700**
Thallium	**5** B	ND	ND	ND

MW-12

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Tetrachloroethene	**56**	NA	**60**	NA
Toluene	ND	NA	**63**	NA
Chromium	**50.1**	NA	8.9 B*	NA
Iron	**1,510**	NA	**1,440**	NA
Manganese	**23,700**	NA	15,500	NA

MW-13

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Tetrachloroethene	**4** J	**6**	**7.7**	**8.3**
Antimony	1.4 B	**4.7** B	ND	ND
Iron	**3,800**	**563**	82.5 B	**576**
Sodium	16,200	16,500	16,600	**29,200**
Thallium	**1.3** B	ND	ND	ND

MW-23D

Compound	Jun 06	Aug 07	Nov 08	Feb 10
Tetrachloroethene	**5**	ND	ND	ND
Antimony	**6.3** B	ND	1 J	ND
Cadmium	3.8 B	**48.1**	**53**	**95.4**
Chromium	12.2B	**263**	**90** *	**452**
Iron	153 B	**1,470**	**1,140**	**2,150**
Manganese	108	272	**343**	**446**
Nickel	12 B	80	95.4	**452**
Sodium	**35,700**	**41,000**	**34,300**	**36,800**
Thallium	**1.7** B	ND	ND	ND

MW-11

LEGEND:

MW-14 — EXISTING MONITORING WELLS

MW-10 — DAMAGED OR MISSING MONITORING WELL

Note:

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

GRAPHIC SCALE

1600 800 0 800 1600

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

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

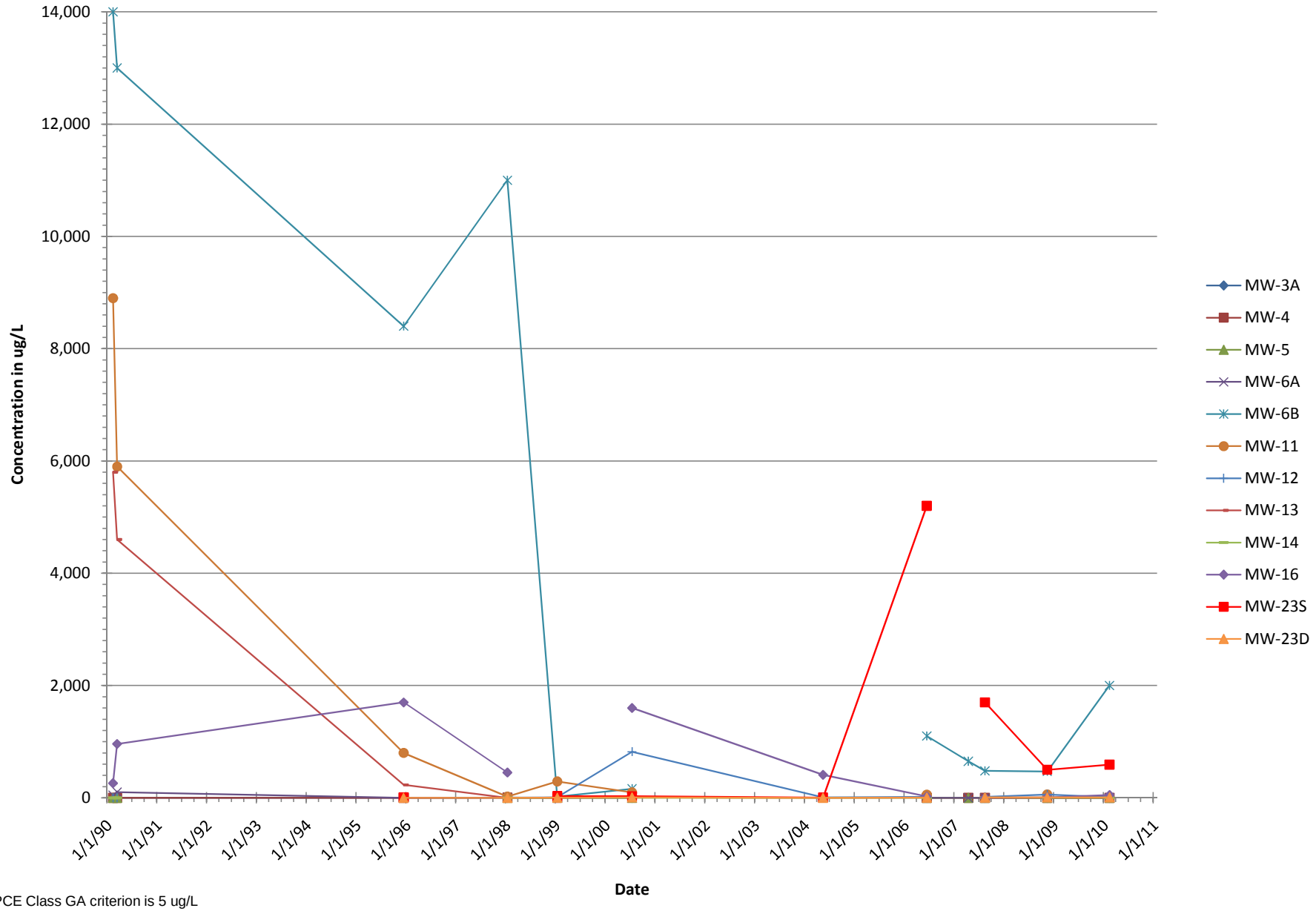
SUMMARY OF VOCS AND TAL METALS IN GROUNDWATER

DATE : JUNE 2010

SCALE : AS SHOWN

DRAWING NO. : 4

FIGURE 5
HISTORIC PCE CONCENTRATIONS IN SELECTED MONITORING WELLS



PCE Class GA criterion is 5 ug/L

Figure 6A
Current PCE Trends (2006 - 2010)
in Selected Monitoring Wells

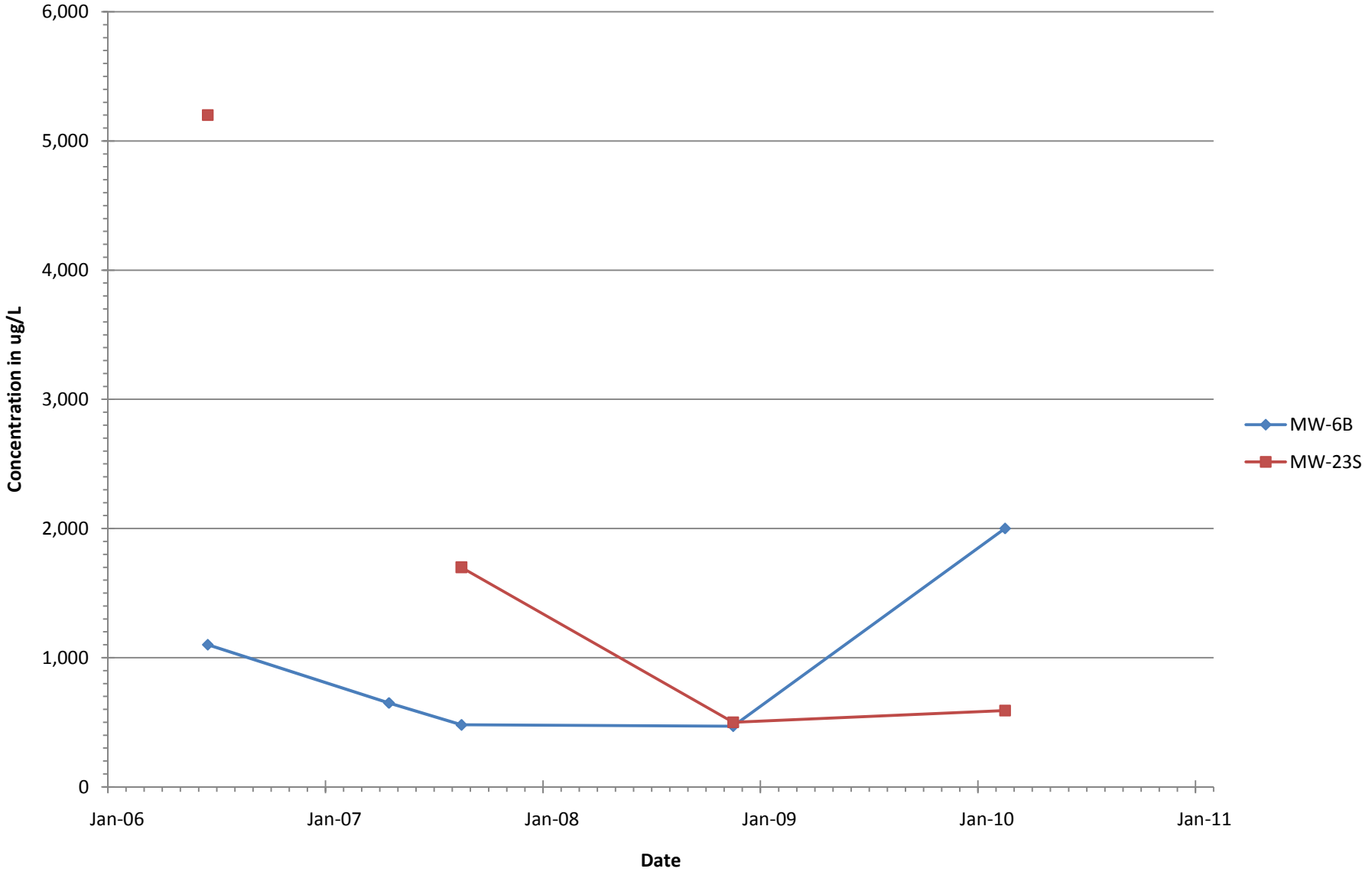
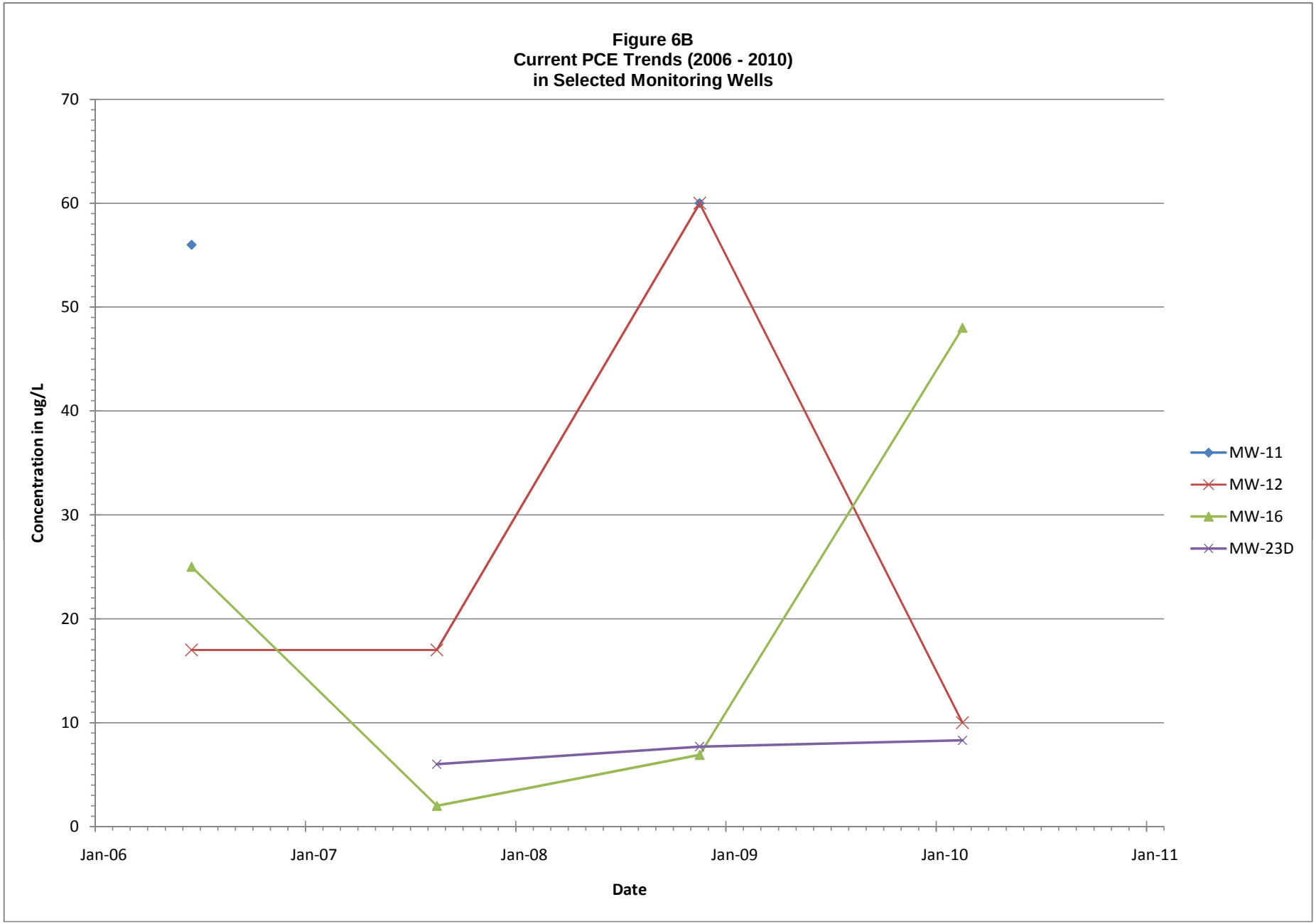


Figure 6B
Current PCE Trends (2006 - 2010)
in Selected Monitoring Wells



TABLES

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

Well ID	NY State Plane Coordinates[1]		Well Screen Depth (ft bgs)	Top of Riser Elevation[1]	Comments
	Northing	Easting			
MW-1	193,973.43	2,204,502.95	76.5 - 86.5	64.79	Behind Servall Building
MW-2	194,178.63	2,204,535.21	71.8 - 81.8	64.47	Well could not be located prior to the November 2008 event
MW-3A	194,188.77	2,204,423.40	110.0 - 120.0	64.37	Well could not be located prior to the November 2008 event
MW-3B	198,189.80	2,204,411.51	78.0 - 88.0	64.54	West of the building on the north side of Drayton Avenue
MW-4	193,713.55	2,204,672.09	74.0 - 84.0	63.11	On north side of Frederick Avenue
MW-5	193,738.12	2,204,418.09	74.0 - 84.0	64.06	On north side of Frederick Avenue
MW-6A	193,723.62	2,204,573.71	53.0 - 63.0	63.87	On north side of Frederick Avenue
MW-6B	193,722.77	2,204,566.29	25.0 - 35.0	63.83	On north side of Frederick Avenue
MW-7	193,247.00	2,204,841.62	102.0 - 112.0	60.79	Well appears to be missing
MW-8	192,291.45	2,205,304.27	94.0 - 104.0	54.6	Well appears to be missing
MW-9	189,214.07	2,206,683.24	78.0 - 88.0	40.91	Well appears to have been paved over or removed
MW-10	188,924.35	2,207,905.95	78.7 - 88.7	40.22	Well appears to be missing
MW-11	188,889.82	2,207,272.76	80.0 - 90.0	37.07	In grass on field at Bay Shore Middle School
MW-12	191,051.70	2,205,475.34	78.8 - 88.8	50.61	In woods along Southern State Parkway near light pole
MW-13	190,990.06	2,205,989.11	88.0 - 98.0	50.33	In woods along Southern State Parkway near light pole
MW-14	191,009.26	2,206,506.46	83.3 - 93.3	49.98	In woods along Southern State Parkway near light pole
MW-15	190,264.25	2,206,372.05	87.0 - 97.0	48.78	Well appears to be missing
MW-16	188,111.44	2,207,779.29	84.0 - 94.0	36.50	South side of Abrew Street in roadway
MW-23S	187,099.54	2,208,295.49	66.0 - 69.0	24.38	In roadway on Cul-de-sac on Perkel Street
MW-23D	187,101.72	2,208,276.17	83.0 - 88.0	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 and elevations taken from E.C. Jordan RI/FS Report, January 1992 and ABB Plume Discharge Study, December 1995.

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-1S	64.79	2/1/10	22.87	41.92	February 2010 sampling event
MW-2	64.47	6/6/06	--	--	could not locate
		8/20/07	--	--	could not locate
		11/11/08	23.82	40.65	November 2008 sampling event
		2/1/10	22.27	42.20	February 2010 sampling event
MW-3A	64.37	6/6/06	20.68	43.69	June 2006 sampling event
		8/20/07	22.00	42.37	August 2007 sampling event
		11/11/08	23.61	40.76	November 2008 sampling event
		2/1/10	22.07	42.30	February 2010 sampling event
MW-3B	64.54	6/6/06	--	--	could not locate
		8/20/07	--	--	could not locate
		11/11/08	23.81	40.73	November 2008 sampling event
		2/1/10	22.29	42.25	February 2010 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
		2/1/10	21.77	41.34	February 2010 sampling event
MW-5	64.06	6/15/06	20.98	43.08	June 2006 sampling event
		8/20/07	22.20	41.86	August 2007 sampling event
		11/11/08	23.99	40.07	November 2008 sampling event
		2/1/10	22.42	41.64	February 2010 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
		2/1/10	22.49	41.38	February 2010 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
		2/1/10	22.36	41.47	February 2010 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
		2/1/10	9.13	27.94	February 2010 sampling event

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
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
		2/1/10	15.14	35.47	February 2010 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
		2/1/10	15.54	34.79	February 2010 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
		2/1/10	15.84	34.14	February 2010 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
		2/1/10	11.52	24.98	February 2010 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
		2/1/10	5.78	18.60	February 2010 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
		2/1/10	5.62	18.83	February 2010 sampling event

All measurements and elevations are in feet, MSL.
All measurements were taken from the top of PVC casing.

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3A	MW-3A	MW-3A	MW-3A
Sample ID	Class GA	SL-MW-1	Can't	Can't	SL-MW-2	SL-MW-2	SMW-3A	SMW-3A	SL-MW-3A	SL-MW-3A
Laboratory ID	Ground	J0196-01	Locate	Locate	G2115-14	J0196-06	E0773-18	F1174-02C	G2115-16	J0196-02
Sample Date	Water	2/3/10	6/6/06	8/21/07	11/14/08	2/4/10	6/6/06	8/21/07	11/14/08	2/3/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds										
Vinyl Chloride	2	ND			ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND			ND	ND	ND	ND	ND	ND
Acetone	50	ND			ND	ND	ND	ND	ND	ND
Benzene	1	ND			***1.7*** J	ND	ND	ND	ND	ND
2-Butanone	50	ND			ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND			ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND			ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	2.3 J			ND	ND	ND	ND	ND	ND
Chloroform	7	ND			ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND			ND	ND	ND	ND	ND	ND
Trichloroethene	5	1.8 J			ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	**50**			ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	1.1 J			ND	ND	ND	ND	ND	ND
Toluene	5	ND			1.4 J	ND	ND	ND	ND	ND
Chlorobenzene	5	ND			ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND			ND	ND	ND	ND	ND	ND
Number of TICs					1		0	0	1	
Total TIC concentration					38 J		ND	ND	19 J	
TAL Metals										
Aluminum	NC	167 B			266	466	749	817	1,630	7,870
Antimony	3	ND			ND	ND	ND	ND	***5.1*** B	ND
Arsenic	25	ND			ND	ND	ND	ND	ND	7.8 B
Barium	1,000	69.4 B			17.5 B	31.7 B	67.3 B	ND	83.9 B	134 B
Beryllium	3	ND			ND	ND	ND	ND	ND	0.34 B
Cadmium	5	1.3 B			***8.8*** *E	***43.7***	ND	1.4 B	***5.9*** *E	***6.8***
Calcium	NC	40,600			15,300	18,500	10,800	5,740	15,000	14,100
Chromium	50	2.1 B			***113*** *	***326***	***55.8***	***92.9***	36.3 *	***169***

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3A	MW-3A	MW-3A	MW-3A
Sample ID	Class GA	SL-MW-1	Can't	Can't	SL-MW-2	SL-MW-2	SMW-3A	SMW-3A	SL-MW-3A	SL-MW-3A
Laboratory ID	Ground	J0196-01	Locate	Locate	G2115-14	J0196-06	E0773-18	F1174-02C	G2115-16	J0196-02
Sample Date	Water	2/3/10	6/6/06	8/21/07	11/14/08	2/4/10	6/6/06	8/21/07	11/14/08	2/3/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	ND			20.4 B	2.4 B	2.4 B	1.8 B	7.3 B	15.8 B
Copper	200	9.2 B			18.4 B	28.7 B	13 B	20 B	66.2	118
Iron	300	***673***			***3,120***	***2,030***	***1,070***	***911***	***3,040***	***13,900***
Lead	25	ND			3.3 B	6.8 B	ND	3.6 B	***33.1***	***79.8***
Magnesium	35,000	1,470			1,250	2,610	4,290	686	2,130	3,240
Manganese	300	264			***396***	***325***	143	264	***1,840***	***2,580***
Mercury	0.7	ND			ND	ND	ND	ND	ND	0.11 B
Nickel	100	3.6 B			***1,390***	72	23.6 B	20.7 B	22.1 B	77.2
Potassium	NC	2,040			1,980	2,290	2,170	1,010	2,550	2,150
Selenium	10	ND			ND	ND	ND	ND	ND	ND
Silver	50	ND			ND	ND	ND	1.2 B	ND	ND
Sodium	20,000	***47,400***			14,600	***30,200***	***129,000***	1,610	9,900	***64,700***
Thallium	0.5	ND			ND	ND	ND	ND	ND	***16.7*** B
Vanadium	NC	0.70 B			2.8 B	3.9 B	1.4 B	1.1 B	8 B	23.2 B
Zinc	2,000	42.6 B			44.4 B	155	53.7	46.6 B	594	1,040

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-3B	MW-3B	MW-3B	MW-3B	MW-4	MW-4	MW-4	MW-4	MW-4
Sample ID	Class GA	Can't	Can't	SL-MW-3B	SL-MW-3B	SMW-4	SMW-4	SMW-4	SL-MW-4	SL-MW-4
Laboratory ID	Ground	Locate	Locate	G2115-17	J0196-07	E0832-10	F0495-02B	F1174-03C	G2115-09	J0196-08
Sample Date	Water	6/6/06	8/21/07	11/14/08	2/4/10	6/16/06	4/20/07	8/21/07	11/13/08	2/4/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds										
Vinyl Chloride	2			ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5			ND	ND	ND	ND	ND	ND	ND
Acetone	50			ND	ND	ND	ND	ND	ND	ND
Benzene	1			ND	ND	ND	ND	ND	ND	ND
2-Butanone	50			ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5			ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10			ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5			ND	ND	ND	ND	ND	ND	ND
Chloroform	7			ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5			ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5			ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5			ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5			ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7			ND	ND	ND	ND	ND	ND	ND
Number of TICs				1		0	0	0	1	
Total TIC concentration				19 J		ND	ND	ND	28 J	
TAL Metals										
Aluminum	NC			2,030	2,430	82.5 B	271	721	1,450	13,500
Antimony	3			ND	ND	ND	***9.4 B***	ND	ND	ND
Arsenic	25			ND	ND	2.2 B	ND	6.2 B	ND	ND
Barium	1,000			31.5 B	35.2	16.7 B	46.4 B	50.3 B	46.7 B	36.5 B
Beryllium	3			ND	0.085 B	ND	ND	0.061 B	ND	0.11 B
Cadmium	5			2.2 B*E	1.1 B	0.73 B	1.4 B	2.6 B	***6.1*** *E	2.6 B
Calcium	NC			9,700	6,930	13,600	18,700	19,600	52,000	15,400
Chromium	50			***624*** *	***901***	***534***	***337***	***382***	***321*** *	***343***

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class GA Ground Water Criteria	MW-3B Can't Locate 6/6/06 conc. Q	MW-3B Can't Locate 8/21/07 conc. Q	MW-3B SL-MW-3B G2115-17 11/14/08 conc. Q	MW-3B SL-MW-3B J0196-07 2/4/10 conc. Q	MW-4 SMW-4 E0832-10 6/16/06 conc. Q	MW-4 SMW-4 F0495-02B 4/20/07 conc. Q	MW-4 SMW-4 F1174-03C 8/21/07 conc. Q	MW-4 SL-MW-4 G2115-09 11/13/08 conc. Q	MW-4 SL-MW-4 J0196-08 2/4/10 conc. Q
Cobalt	NC			14.9 B	5.1 B	1.6 B	6.5 B	8.9 B	21.4 B	6.6 B
Copper	200			74.7	49.1	33.6	16 B	21.5 B	28.6 B	159
Iron	300			***4,610***	***4,800***	***1,710***	***1,970***	***2,970***	***3,280***	***3,150***
Lead	25			14.4	***29.3***	1.6 B	0.99 B	2.4 B	5.2 B	7.5 B
Magnesium	35,000			1,490	1,280	3,310	4,910	5,130	3,820	3,470
Manganese	300			***447***	128	181	***1,280***	***1,240***	***1,390***	***599***
Mercury	0.7			0.051 B	0.064 B	ND	0.057 B	ND	ND	0.072 B
Nickel	100			***540***	***121***	***240***	***565***	***702***	***1,860***	***103***
Potassium	NC			3,040	***1,170***	2,710	4,690	4,930	4,170	2,540
Selenium	10			ND	ND	ND	5.3 B	ND	ND	ND
Silver	50			ND	ND	ND	0.95 B	1.9 B	ND	ND
Sodium	20,000			6,730	***22,300***	13,400	***33,800***	***39,300***	***39,000***	***85,500***
Thallium	0.5			ND	ND	ND	ND	ND	ND	ND
Vanadium	NC			5.9 B	10.3 B	1.4 B	1.4 B	1.8 B	1.9 B	4.3 B
Zinc	2,000			191	189	17.7 B	31 B	44 B	63.4	155

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6A	MW-6A	MW-6A	MW-6A[1]	MW-6A
Sample ID	Class GA	SMW-5	SMW-5	SMW-5	SL-MW-5	SL-MW-5	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SMW-6A
Laboratory ID	Ground	E0832-05	F0495-04B	F1174-13B	G2115-13	J0196-09	E0832-06	F0495-01B	F1174-04C	G2115-10	J0196-10
Sample Date	Water	6/15/06	4/20/07	8/27/07	11/13/08	2/4/10	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds											
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	***170***	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	38 J	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	3.0 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	2 J	ND	ND	ND	ND	ND	ND	1.2 J
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	***1,200***	***230 D***	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1		0	0	0	1	
Total TIC concentration		ND	ND	ND	330 J		ND	ND	ND	28 J	
TAL Metals											
Aluminum	NC	391	264	2,740	383	4,640	527	3,300	855	2390	2,840
Antimony	3	ND	ND	ND	ND	ND	ND	***37.1***	ND	ND	ND
Arsenic	25	1.7 B	ND	20.9	8 B	10.7 B	3.5 B	ND	8.2 B	ND	ND
Barium	1,000	17.9 B	10.9 B	65.2 B	233	95.8 B	72.2 B	52.9 B	33.4 B	57.7 B	27.7 B
Beryllium	3	ND	ND	0.26 B	ND	0.26 B	ND	ND	ND	ND	0.13 B
Cadmium	5	2.4 B	2.1 B	1.3 B	0.41 B*E	1.7 B	1.5 B	4.3 B	2.2 B	1.9 B*E	1.1 B
Calcium	NC	20,700	20,400	18,700	31,400	17,900	33,800	17,400	15,800	15,600	8,730
Chromium	50	***80.5***	***79.8***	***1,370***	***116*** *	***201***	***607***	***1,280***	***639***	***88.8*** *	***340***

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6A	MW-6A	MW-6A	MW-6A[1]	MW-6A
Sample ID	Class GA	SMW-5	SMW-5	SMW-5	SL-MW-5	SL-MW-5	SMW-6A	SMW-6A	SMW-6A	SMW-6A	SMW-6A
Laboratory ID	Ground	E0832-05	F0495-04B	F1174-13B	G2115-13	J0196-09	E0832-06	F0495-01B	F1174-04C	G2115-10	J0196-10
Sample Date	Water	6/15/06	4/20/07	8/27/07	11/13/08	2/4/10	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	1.3 B	0.93 B	14.1 B	24.6 B	26.8 B	11.3 B	16.8 B	13.6 B	28.2 B	4.7 B
Copper	200	6.8 B	6.4 B	34.9	10.3 B	74.2	16 B	53.3	37.6	65.3	45.5
Iron	300	***934***	***483***	***7,140***	***49,400***	***26,900***	***3,780***	***6,330***	***4,410***	***4,200***	***4,380***
Lead	25	3.6 B	1.4 B	2.3 B	ND	7.5 B	4.1 B	16.7	4.3 B	***25.9***	***27.8***
Magnesium	35,000	3,420	3,230	3,380	5,590	2,900	5,070	2,870	2,660	2,870	1,990
Manganese	300	209	219	***3,550***	***1,830***	***2,410***	***7,140***	***3,890***	***6,410***	***3,250***	***346***
Mercury	0.7	ND	0.05 B	ND	ND	0.12 B	ND	0.098 B	ND	ND	0.38
Nickel	100	39.1 B	***127***	***135***	49 B	37.5 B	***160***	***273***	***1,130***	***196***	83.1
Potassium	NC	2,490	1,960	5,000	13,900	10,300	2,390	2,110	2490	9900	2,580
Selenium	10	ND	1.2 B	ND	ND	ND	1.7 B	9.8 B	ND	ND	ND
Silver	50	ND	1.3 B	1.3 B	ND	ND	ND	ND	3.3 B	ND	ND
Sodium	20,000	13,400	14,700	***43,300***	***59,200***	***32,900***	***59,600***	***39,600***	***31,600***	***8,730***	***92,200***
Thallium	0.5	***1.4 B***	ND	ND	ND	***14*** B	***32.3***	ND	ND	ND	ND
Vanadium	NC	0.89 B	0.79 B	13.1 B	3.5 B	5.3 B	2.6 B	7.2 B	2.8 B	5.3 B	6.8 B
Zinc	2,000	29.2 B	30.1 B	51.4	35.2 B	91.5	45.6 B	115	53.6	125	111

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6B	MW-6B	MW-6B	MW-6B[1]	MW-6B[1]	MW-9	MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SMW-6B	SMW-6B	SMW-6B	SMW-6B	SMW-6B		SMW-11	SMW-11	SL-MW-11	SL-MW-11
Laboratory ID	Ground	E0832-07	F0495-03B	F1174-05C	G2115-12	J0196-11	Destroyed	E0773-19		G2115-01	
Sample Date	Water	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10	6/09/06	6/8/06	Aug 2007	11/11/08	Feb 2010
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds											
Vinyl Chloride	2	ND	ND	ND	ND	ND		ND	NA	ND	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	ND		ND	NA	ND	NA
Acetone	50	ND	ND	ND	ND	ND		ND	NA	ND	NA
Benzene	1	ND	ND	ND	ND	ND		ND	NA	ND	NA
2-Butanone	50	ND	ND	ND	ND	ND		ND	NA	ND	NA
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND		ND	NA	ND	NA
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND		ND	NA	1.8 J	NA
cis-1,2-Dichloroethene	5	***210 D***	***120***	***130***	***140***	***190***		3.0 J	NA	13	NA
Chloroform	7	ND	ND	ND	2 J	ND		ND	NA	ND	NA
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND		ND	NA	ND	NA
Trichloroethene	5	***85***	***27***	***26***	***30***	***40***		4 J	NA	ND	NA
Tetrachloroethene	5	***1,100 D***	***650***	***480 D***	***470 D***	***2,000 D***		***56***	NA	***60***	NA
Xylenes (Total)	5	ND	ND	ND	ND	ND		ND	ND	ND	NA
Toluene	5	ND	ND	ND	ND	ND		ND	NA	***63***	NA
Chlorobenzene	5	ND	ND	ND	ND	ND		ND	NA	4.8 J	NA
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND		ND	NA	ND	NA
Number of TICs		0	0	0	1			1		1	
Total TIC concentration		ND	ND	ND	28 J			6 J	NA	22 J	
TAL Metals											
Aluminum	NC	2,000	3,780	14,500	7,500	18,000		1,440	NA	494	NA
Antimony	3	2.7 B	***7.9 B***	ND	ND	ND		ND	NA	ND	NA
Arsenic	25	ND	ND	4.6 B	ND	6.8 B		1.7 B	NA	ND	NA
Barium	1,000	19.3 B	27.7 B	33.1 B	24.6 B	90.7 B		46.1 B	NA	29.3 B	NA
Beryllium	3	ND	0.24 B	0.35 B	0.37 B	1.5 B		ND	NA	ND	NA
Cadmium	5	0.75 B	0.91 B	2.6 B	0.88 B*E	1.7 B		4.4 B	NA	0.71 B*E	NA
Calcium	NC	19,600	25,100	24,400	22,500	26,900		11,100	NA	10,100	NA
Chromium	50	***62.2***	***133***	***143***	46.6 *	***225***		***50.1***	NA	8.9 B*	NA

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-6B	MW-6B	MW-6B	MW-6B[1]	MW-6B[1]	MW-9	MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SMW-6B	SMW-6B	SMW-6B	SMW-6B	SMW-6B		SMW-11	SMW-11	SL-MW-11	SL-MW-11
Laboratory ID	Ground	E0832-07	F0495-03B	F1174-05C	G2115-12	J0196-11	Destroyed	E0773-19		G2115-01	
Sample Date	Water	6/15/06	4/20/07	8/21/07	11/13/08	2/4/10	6/09/06	6/8/06	Aug 2007	11/11/08	Feb 2010
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	2.2 B	11.6 B	9.6 B	8.6 B	12.3 B		2.7 B	NA	ND	NA
Copper	200	17.5 B	37.2	150	96.6	143		18.5 B	NA	ND	NA
Iron	300	***1,950***	***5,500***	***9,130***	***5,950***	***28,500***		***1,510***	NA	***1,440***	NA
Lead	25	2.8 B	9.1 B	18.5	9 B	***83.9***		ND	NA	6.5 B	NA
Magnesium	35,000	3,430	4,520	5,030	3,600	5,840		3,560	NA	2,920	NA
Manganese	300	81.6	***344***	***429***	***540***	269		30.7 B	NA	201	NA
Mercury	0.7	ND	0.065 B	ND	ND	0.39		ND	NA	ND	NA
Nickel	100	46.1 B	51.3	47 B	12.5 B	70.4		22.4 B	NA	7.7 B	NA
Potassium	NC	2,210	2,510	2,460	1,740	3,220		1,940	NA	2,560	NA
Selenium	10	ND	ND	ND	ND	ND		ND	NA	ND	NA
Silver	50	ND	1.3 B	ND	ND	ND		ND	NA	ND	NA
Sodium	20,000	17,800	***28,200***	***25,900***	***15,100***	17,400		***23,700***	NA	15,500	NA
Thallium	0.5	ND	ND	ND	ND	ND		ND	NA	ND	NA
Vanadium	NC	1.1 B	3.7 B	7.9 B	3.3 B	29.7 B		2.7 B	NA	2.2 B	NA
Zinc	2,000	53.6	80.4	240	100	325		80.9	NA	46.9 B	NA

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-13
Sample ID	Class GA	SMW-12	SMW-12	SL-MW-12	SL-MW-12	SMW-13	SMW-13	SL-MW-13	SL-MW-13
Laboratory ID	Ground	E0832-01	F1174-08C	G2115-06	J0189-01	E0832-02	F1174-07C	G2115-07	J0189-02
Sample Date	Water	6/15/06	8/22/07	11/12/08	2/2/10	6/15/06	8/22/07	11/12/08	2/2/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds									
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	4 J	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	2 J	3.1 J	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	6	2.7 J	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	1 J	ND	ND	3 J	ND	ND	ND
Tetrachloroethene	5	***17***	***17***	***60***	***10***	***5***	ND	1 J	ND
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	4 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	***9***	ND	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	1		0	0	1	
Total TIC concentration		ND	ND	26		ND	ND	26 J	
TAL Metals									
Aluminum	NC	369	257	377	294	38.5 B	328	417	565
Antimony	3	1.8 B	ND	***6.2*** B	ND	***6.3*** B	ND	ND	ND
Arsenic	25	8.2 B	20.2	ND	ND	1.7 B	5.2 B	ND	ND
Barium	1,000	67.6 B	81.8 B	163 B	94.9	55.5 B	43.6 B	47.3 B	33.6 B
Beryllium	3	ND	ND	ND	0.049 B	ND	0.13 B	0.3 B	0.33 B
Cadmium	5	2.8 B	0.92 B	0.83 B*E	ND	3.8 B	***48.1***	***53.6*** *E	***42.4***
Calcium	NC	17,000	17,600	19,500	17,500	18,200	10,900	10,500	6,050
Chromium	50	***1,130***	***1,730***	***1,170*** *	***723***	12.2 B	***263***	***90*** *	***330***

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-13
Sample ID	Class GA	SMW-12	SMW-12	SL-MW-12	SL-MW-12	SMW-13	SMW-13	SL-MW-13	SL-MW-13
Laboratory ID	Ground	E0832-01	F1174-08C	G2115-06	J0189-01	E0832-02	F1174-07C	G2115-07	J0189-02
Sample Date	Water	6/15/06	8/22/07	11/12/08	2/2/10	6/15/06	8/22/07	11/12/08	2/2/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	24.3 B	3.9 B	6.2 B	0.89 B	1.3 B	5.7 B	5.7 B	9.1 B
Copper	200	67.9	59.1	33.9	15.7 B	8.3 B	48.9	25.7 B	31.8
Iron	300	***2,810***	***7,040***	***4,720***	***3,730***	153 B	***1,470***	***1,140***	***2,150***
Lead	25	4.9 B	ND	4.4 B	ND	2.1 B	3.4 B	5.8 B	5.9 B
Magnesium	35,000	3,050	2,270	2,930	2,820	8,570	3,470	2,840	2,070
Manganese	300	***746***	***512***	***600***	***498***	108	272	***343***	***446***
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	***1,290***	***130***	***519***	53.2	12 B	80	95.4	***452***
Potassium	NC	2,980	5,700	5,020	3,820	1,310	2,480	3,060	2,680
Selenium	10	3.1 B	7.3 B	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	***62,500***	***42,000***	***40,100***	***62,700***	***35,700***	***41,000***	***34,300***	***36,800***
Thallium	0.5	***5 B***	ND	ND	ND	***1.7 B***	ND	ND	ND
Vanadium	NC	2.1 B	4.2 B	4.6 B	2.0 B	0.6 B	1.4 B	1.4 B	1.5 B
Zinc	2,000	35.2 B	22.9 B	38 B	25.7 B	28.9 B	115	106	109

1 - See text Section 4.1 for details on sample ID
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NC - No criterion
ND - Not detected
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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, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-16	MW-16	MW-16	MW-16
Sample ID	Class GA	SMW-14	SMW-14	SL-MW-14	SL-MW-14	SMW-16	SMW-16	SL-MW-16	SL-MW-16
Laboratory ID	Ground	E0832-03	F1174-06C	G2115-18	J0189-04	E0832-04	F1174-12B	G2115-05	J0189-05
Sample Date	Water	6/15/06	8/22/07	11/14/08	2/2/10	6/15/06	8/27/07	11/12/08	2/2/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds									
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	1.2 J
1,1-Dichloroethene	5	ND	ND	ND	ND	4 J	ND	ND	2.4 J
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	1.1 J	2 J	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	***15***	ND	2.1 J	***16***
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	***5***	ND	ND	2.8 J
Trichloroethene	5	ND	ND	ND	ND	***16***	ND	1.1 J	***11***
Tetrachloroethene	5	ND	2 J	ND	ND	***25***	2 J	***6.9***	***48***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND
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	1		0	0	1	
Total TIC concentration		ND	ND	20 J		ND	ND	23 J	
TAL Metals									
Aluminum	NC	139 B	360	209	259	534	453	672	1,090
Antimony	3	2.7 B	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	3.2 B	ND	ND	7 B	9 B	ND	ND
Barium	1,000	48.6 B	55.3 B	58 B	35.9 B	13.6 B	ND	17.9 B	12.6 B
Beryllium	3	ND	ND	ND	ND	ND	0.064 B	ND	ND
Cadmium	5	1.3 B	1.8 B	2.8 B*E	ND	0.71 B	1 B	0.54 B*E	ND
Calcium	NC	7,550	19,300	16,700	5,990	9,750	2,220	10,000	12,700
Chromium	50	49.9	***100***	***59.6*** *	***196***	***1,660***	***666***	***184*** *	***326***

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-16	MW-16	MW-16	MW-16
Sample ID	Class GA	SMW-14	SMW-14	SL-MW-14	SL-MW-14	SMW-16	SMW-16	SL-MW-16	SL-MW-16
Laboratory ID	Ground	E0832-03	F1174-06C	G2115-18	J0189-04	E0832-04	F1174-12B	G2115-05	J0189-05
Sample Date	Water	6/15/06	8/22/07	11/14/08	2/2/10	6/15/06	8/27/07	11/12/08	2/2/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	1.3 B	2.1 B	ND	2.2 B	4 B	2.7 B	1.8 B	1.8 B
Copper	200	ND	29.9 B	8.5 B	9.1 B	8.6 B	24 B	9 B	46.5
Iron	300	***449***	***1,170***	***821***	***1,200***	***7,270***	***5,520***	***2,440***	***1,460***
Lead	25	1.7 B	ND	ND	ND	2.8 B	1.2 B	4.3 B	3.6 B
Magnesium	35,000	3,540	2,780	2,630	2,000	4,790	628	3,530	5,950
Manganese	300	25.6 B	33.4 B	35 B	134	51.8	39.7 B	46.3 B	80.8
Mercury	0.7	ND	ND	ND	ND	ND	ND	0.018 B	ND
Nickel	100	24.3 B	68.8	79.9	27.7 B	***125***	***110***	90.1	62.8
Potassium	NC	1,550	1,240	2,150	2,020	1,040	1,330	2,530	1,510
Selenium	10	1.4 B	ND	ND	ND	2.2 B	ND	ND	ND
Silver	50	ND	1.4 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	***60,500***	***31,700***	***70,400***	***76,300***	***24,500***	3,080	***33,600***	***34,300***
Thallium	0.5	***1.3 B***	***2.8***	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	1.2 B	ND	4.1 B	6.4 B	5.2 B	6 B	3.9 B
Zinc	2,000	22.2 B	16.1 B	24.7 B	26.6 B	25.9 B	37.2 B	68.8	51.0

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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
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TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23S	MW-23S	MW-23S	MW-23S	MW-23D	MW-23D	MW-23D	MW-23D
Sample ID	Class GA	SMW-23S	SMW-23S	SL-MW-23S	SL-MW-23S	SMW-23D	SMW-23D	SL-MW-23D	SL-MW-23D
Laboratory ID	Ground	E0773-20	F1174-11B	G2115-03	J0196-03	E0773-21	F1174-09B	G2115-04	J0196-04
Sample Date	Water	6/8/06	8/27/07	11/12/08	2/3/10	6/8/06	8/27/07	11/12/08	2/3/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Volatile Organic Compounds									
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND
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	1 J	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	1 J	ND	5.4	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***360 D***	***180 D***	***45***	***38***	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	1.6 J	1.3 J	ND	ND	ND	ND
Trichloroethene	5	***220 D***	***99***	***18***	***15***	ND	ND	ND	ND
Tetrachloroethene	5	***5,200 D***	***1,700 D***	***500 D***	***590 D***	4 J	***6***	***7.7***	***8.3***
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND
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		2	0	1		1	0	1	
Total TIC concentration		1,250 JD	ND	21 J		6 J	ND	25 J	
TAL Metals									
Aluminum	NC	253	83.7 B	109 B	126 B	7,130	306	ND	182 B
Antimony	3	ND	***7.5 B***	ND	ND	1.4 B	***4.7*** B	ND	ND
Arsenic	25	ND	ND	ND	ND	2.5 B	ND	ND	ND
Barium	1,000	25.6 B	15 B	15.2 B	12.5 B	77.8 B	26 B	23.9 B	31.7 B
Beryllium	3	ND	ND	ND	ND	0.6 B	0.07 B	ND	ND
Cadmium	5	ND	3.3 B	***9.4*** *E	1.9 B	ND	0.25 B	0.24 B*E	0.54 B
Calcium	NC	17,800	18,300	12,400	13,600	14,800	14,100	17,600	16,500
Chromium	50	0.66 B	3.6 B	ND	1.3 B	12.2 B	3.4 B	ND	1.5 B

TABLE 3
SERVALL LAUNDRY SITE (SITE 1-52-077)
JUNE 2006, APRIL 2007, AUGUST 2007, NOVEMBER 2008 AND FEBRUARY 2010 SAMPLING EVENTS
SUMMARY OF VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23S	MW-23S	MW-23S	MW-23S	MW-23D	MW-23D	MW-23D	MW-23D
Sample ID	Class GA	SMW-23S	SMW-23S	SL-MW-23S	SL-MW-23S	SMW-23D	SMW-23D	SL-MW-23D	SL-MW-23D
Laboratory ID	Ground	E0773-20	F1174-11B	G2115-03	J0196-03	E0773-21	F1174-09B	G2115-04	J0196-04
Sample Date	Water	6/8/06	8/27/07	11/12/08	2/3/10	6/8/06	8/27/07	11/12/08	2/3/10
	Criteria	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Cobalt	NC	2 B	2.2 B	ND	ND	5 B	2.4 B	ND	1.4 B
Copper	200	8.5 B	20.1 B	ND	6.7 B	27.2 B	22.3 B	ND	7.8 B
Iron	300	133 B	247	***544***	272	***3,800***	***563***	82.5 B	***576***
Lead	25	ND	ND	2.3 B	ND	ND	1.7 B	ND	2.8 B
Magnesium	35,000	6,830	6,950	4,920	5,420	2,440	2,570	3,350	3,260
Manganese	300	***1,570***	***1,370***	***1,230***	***1,420***	109	77.9	15.7 B	33.1 B
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	15 B	18.3 B	14.7 B	13.7 B	7.6 B	3.3 B	ND	2.5 B
Potassium	NC	1,340	1,500	1,240	1,100	3,270	2,930	3,110	3,870
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	2.4 B	ND	ND	ND	1.9 B	ND	ND
Sodium	20,000	***28,700***	***35,200***	***25,500***	***23,500***	16,200	16,500	16,600	***29,200***
Thallium	0.5	***7.8 B***	ND	ND	***8.6 B***	***1.3 B***	ND	ND	ND
Vanadium	NC	ND	0.44 B	1 B	0.71 B	14.5 B	1.3 B	ND	0.89 B
Zinc	2,000	15.2 B	105	71.9	45.5 B	53.8	30.6 B	17.8 B	35.9 B

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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 4
SERVALL LAUNDRY SITE (SITE 1-52-077)
FIELD DUPLICATE PRECISION - METALS IN GROUNDWATER
FEBRUARY 2010 SAMPLING EVENT

Lab ID	J0189-02B	J0189-03B	Precision
Sample Date	02/02/2010	02/02/2010	(RPD)
Field ID	SL-MW-13	SL-MW-63	Percent
Aluminum	565	590	4.3%
Antimony	4.2 U	4.2 U	NC
Arsenic	3.1 U	3.1 U	NC
Barium	33.6 B	32.5 B	3.3%
Beryllium	0.33 B	0.34 B	3.0%
Cadmium	42.4	40.7	4.1%
Calcium	6,050	5,880	2.8%
Chromium	330	340	3.0%
Cobalt	9.1 B	9 B	1.1%
Copper	31.8	33.1	4.0%
Iron	2,150	2,250	4.5%
Lead	5.9 B	7.9 B	29.0%
Magnesium	2,070	2,060	0.5%
Manganese	446	445	0.2%
Nickel	452	462	2.2%
Potassium	2,680	2,560	4.6%
Selenium	10 U	10 U	NC
Silver	2.4 U	2.4 U	NC
Sodium	36,800	35,000	5.0%
Thallium	5.7 U	5.7 U	NC
Vanadium	1.5 B	1.5 B	0.0%
Zinc	109	103	5.7%
Mercury	0.056 U	0.056 U	NC

All data in ug/L
Analyzed by Mitkem

U = Not detected
B = value greater than detection limit but less than reporting limit.
NC = Not calculable; analyte not detected in one or both analyses.

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

	MW-3A	MW-4	MW-5	MW-6A	MW-6B	MW-11	MW-12	MW-13	MW-14	MW-16	MW-23S	MW-23D
Feb 2010	ND	ND	ND	1.2 J	2,000 D	NA	10	ND	ND	48	590 D	8.3
Nov 2008[1]	ND	ND	ND	ND	470 D	60	60	1 J	ND	6.9	500 D	7.7
Aug 2007	ND	ND	2 J	ND	480 D	NA	17	ND	2 J	2 J	1,700 D	6
Apr 2007	NA	ND	ND	ND	650	NA	NA	NA	NA	NA	NA	NA
June 2006	ND	ND	ND	ND	1,100 D	56	17	5	ND	25	5,200 D	4 J
May 2004	NA	NA	NA	NA	NA	NA	7	0.3 J	ND	410 E	4	0.6 J
July 2000	ND	NA	ND	ND	160	96	820 D	6 J	ND	1,600 D	27	8 J
Jan 1999	NA	ND	3 J	1 J	22 J	290 J	6 J	4 J	ND	NA	29 J	3 J
Jan 1998	ND	4	ND	2	11,000	20	2	ND	ND	450		ND
Dec 1995	0.34 J	ND	NA	ND	8,400 E	800	NA	230	NA	1,700 E	7.8	ND
Mar 1990	ND	ND	ND	100	13,000 DJ	5,900	ND	4,600 JD	ND	960 JD	NA	NA
Feb 1990	ND	ND	ND	48	14,000	8,900	ND	5,800 D	ND	260	NA	NA

Notes
1 - See Section 4.1 for discussion of sample IDs for MW-6A and MW-6B
ND - Not detected
NA - Not sampled or data not available
E - Concentration exceeded the QC criterion, no dilution run data found
D - Dilution
J - Estimated concentration
The data presented in this table is a compilation of data available at the time of this report and is not a comprehensive listing of all data collected.
May 2004 - Data is very confusing. It is difficult to establish which well is presented on the Form 1s.
(taken from report.hw152077.2004-05.GW04.pdf)
July 2000 data from H2M Labs, (ServAll data Summary July 2000.pdf)
January 1999 & January 1998 (Harding Lawson, 1999 Groundwater Sampling Technical Memorandum (ServAll 1999 gw sampling.pdf)
December 1995 data from Plume Discharge Study (ServAll December 1995.pdf)
February and March 1990 data from E.C. Jordan, RI/FS 1992 (ServAll jan 1992.pdf)

APPENDIX A

WELL SAMPLING FORMS

AECOM

WELL NO. MW-1

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/3/10	DATE WELL COMPLETED: 2/3/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler, Jim Christopher		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 44.02 WELL TD: 89.57 PUMP INTAKE DEPTH: 84' bgs

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
11:35	22.87						Static water lever
11:49	22.81	2.2	19	0.90	5.9	1	pump on
12:09	27.17	2.2	19	0.36	5.8	1	
12:29	27.52	2.2	18	0.35	-1.4	1	pH out of range; will not hold calibration
12:49	27.2	2.2	18	0.34	-1	1	pH out of range
							tubing/bailer left in well

Sampled: 13:40
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: VOC's, TAL Metals

AECOM

WELL NO. MW-2

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Pete Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 10.4 WELL TD: 83.51 PUMP INTAKE DEPTH: 77' bgs

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
8:45	22.34						Static Water Level
8:50	24.63	1.7	13.1	0.271	5.04	114	Pump on,
8:56	23.94	1.7	13.2	0.296	4.9	49	
9:02	24.21	1.7	13.8	0.296	4.92	3	
9:09	24.22	1.7	13.7	0.291	4.98	1	
							tubing and bailer left in well

Sampled: 9:20
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-3A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/3/10	DATE WELL COMPLETED: 2/3/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 16.13 WELL TD: 117.03 PUMP INTAKE DEPTH: 110'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
14:39	22.12						Static Water Level
14:43	24.29	1.5	-10	100	-1	-1	Pump on
14:54	24.39	1.5	-10	100	-1	-1	all parameters on U-10 have lost calibration
15:06	24.39	1.5					sample will be collected after 3 volumes
15:17	24.41	1.5					purged.
							tubing and bailer left in well

Sampled: 15:30
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-3B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Jim Christopher		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 11.39 WELL TD: 89.35 PUMP INTAKE DEPTH: 84

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
7:36	22.36						Static Water Level
7:44	29.95	1.4	12.5	0.15	5.33	104	Pump on
7:52	29.57	1.4	14.1	0.243	5.05	245	
7:58	29.59	1.4	13.9	0.243	4.96	15	
8:03	29.59	1.4	14.3	0.245	4.93	7	
8:10	29.59	1.4	13.8	0.246	4.95	241	
8:17	29.6	1.4	14.2	0.245	4.93	3	
							tubing and bailer left in well

Sampled: 8:30
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-4

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Pete Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 10.48 WELL TD: 83.48 PUMP INTAKE DEPTH: 77'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
9:38	21.82						Static Water Level
9:45	27.62	1.3	12.4	0.536	5.58	215	Pump on
9:53	31.84	1.3	13.3	0.575	5.60	14	
10:00	30.77	1.3	13.7	0.569	5.66	1	
10:07	30.24	1.3	13.9	0.562	6.06	1	
10:15	33.58	1.3	13.9	0.566	6.00	1	
							tubing and bailer left in well

Sampled: 10:27
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-5

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 0.5 WELL TD: 26.61 PUMP INTAKE DEPTH: 24.5'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS				REMARKS
			Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	
12:26	22.49						Static Water Level
12:33	23.06	0.5	14.0	0.759	6.14	132	Pump on
12:36	23.15	0.5	14.2	0.644	6.19	29	
15:39	23.09	0.5	14.8	0.640	6.26	15	
12:42	23.12	0.5	14.7	0.639	6.27	4	
							tubing and bailer left in well

Sampled: 12:55
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-6A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Pete Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 5.16 WELL TD: 59.37 PUMP INTAKE DEPTH: 54'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
11:25	22.49						Static Water Level
11:37	31.06	1.3	11.9	0.412	6.000	269	Pump on
11:41	30.97	1.3	14.5	0.505	5.740	62	
11:45	31.02	1.3	14.4	0.513	5.700	44	
11:49	30.96	1.3	14.2	0.515	5.730	47	
							tubing and bailer left in well

Sampled: 12:00
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-6B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/4/10	DATE WELL COMPLETED: 2/4/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 1.02 WELL TD: 28.45 PUMP INTAKE DEPTH: 25.5'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
10:49	22.44						Static Water Level
10:54	22.7	0.5	12.4	0.226	5.82	723	Pump on
10:57	22.72	0.5	13.7	0.228	6.00	267	
11:00	22.76	0.5	14.2	0.198	5.96	51	
11:03	22.62	0.5	14.3	0.199	5.97	25	
11:06	22.62	0.5	14.5	0.195	5.97	12	
11:09	22.64	0.5	14.4	0.194	5.97	1	
							tubing and bailer left in well

Sampled: 11:15
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-11

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/2/10	DATE WELL COMPLETED:	
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Peter Lawler	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: 25 PUMP INTAKE DEPTH: N/A

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
13:30	9.13						Static Water Level
							Pump on
							Tubing, bailer and plug all missing
							Well blocked at approximately 25' bgs
							could not remove or penetrate blockage
							Call made to Paul Kareth
							Sample not collected

Sampled: not sampled — well TD was much less than anticapted
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-12

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/2/10	DATE WELL COMPLETED: 2/2/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 12.57 WELL TD: 89.11 PUMP INTAKE DEPTH: 84

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
8:20	15.17						Static Water Level
8:56	16.64	2	11	0.37	4.5	38	Pump on
9:04	17.71	1.5	12	0.35	3.6	10	
9:12	17.77	1.5	13	0.36	3.7	4	
9:21	17.82	1.5	13	0.36	4.0	3	
9:29	17.79	1.5	13	0.36	3.9	3	
							tubing and bailer left in well
							Lid taken to replace lid for MW-16

Sampled: 9:40

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-13

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/2/10	DATE WELL COMPLETED: 2/2/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Pete Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 13.75 WELL TD: 96.42 PUMP INTAKE DEPTH: 88'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
10;25	15.56						Static Water Level
10:46	15.91	0.85	12	0.31	4.1	38	Pump on
10:57	15.93	1	12	0.38	4.2	8	
11:03	15.92	2	12	0.38	4.2	8	
11:10	16.42	2	13	0.38	4.3	4	
11:17	15.95	2	12	0.38	4.3	3	
							tubing and bailer left in well

Sampled: 11:30 duplicate sample taken: SL-MW-63

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-14

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/2/10	DATE WELL COMPLETED: 2/2/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Pete Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 13.2 WELL TD: 93.55 PUMP INTAKE DEPTH: 88'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS				REMARKS
			Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	
11:55	15.86						Static Water Level
12:00		2	12	0.39	4.6	28	Pump on
12:06		2.2	13	0.37	4.6	4	
12:12	15.98	2.2	13	0.37	4.6	2	
12:18	15.98	2.2	13	0.36	4.8	1	
12:24	15.99	2.2	13	0.36	4.9	1	
							tubing and bailer left in well

Sampled: 12:30
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-16

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/2/10	DATE WELL COMPLETED: 2/2/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Peter Lawler		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 14.01 WELL TD: 93.94 PUMP INTAKE DEPTH: 88'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
14:10	11.51						Static Water Level
14:18	12.03	2.8	11	0.21	5.2	99	Pump on
14:23	12.04	2.8	11	0.2	4.8	47	
14:28	12.04	2.8	12	0.2	4.7	8	
14:38	12.02	2.8	12	0.2	4.9	3	
14:43	12.03	2.8	12	0.2	4.9	2	
14:48	12.04	2.8	12	0.19	5.1	2	
							tubing and bailer left in well
							Lid replaced with lid from MW-12
							due to well being in roadway

Sampled: 14:59 MS/MSD samples taken

Pump Type: Grundfos, sampled with Teflon bailers

Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-23S

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/3/10	DATE WELL COMPLETED: 2/3/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Jim Christopher		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 10.79 WELL TD: 69.23 PUMP INTAKE DEPTH: 63

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
8:45	5.76						Static Water Level
8:56	8.32	3.3	11	0.23	4.6	3	Pump on
8:59	8.44	2.5	11	0.21	4.8	2	
9:03	8.43	2.5	12	0.21	4.9	2	
9:07	8.45	2.5	12	0.21	4.9	1	
							tubing and bailer left in well

Sampled: 9:19
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

AECOM

WELL NO. MW-23D

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 60135736	SHEET: 1 OF SHEETS: 1
LOCATION: ServAll Laundry Site, Bay Shore, NY #1-52-077	DATE WELL STARTED: 2/3/10	DATE WELL COMPLETED: 2/3/10	
CLIENT: New York State Department of Environmental Conservation	NAME OF INSPECTOR: Jim Christopher		
DRILLING COMPANY:	SIGNATURE OF INSPECTOR:		

ONE WELL VOLUME : 14 WELL TD: 87.66 PUMP INTAKE DEPTH: 81'

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	pH	Turbidity (ntu)	REMARKS
9:34	5.43						Static Water Level
9:36	14.1	1.75	12	0.23	5.3	13	Pump on
9:44	21.95	1.4	12	0.19	5.3	77	
9:54	21.93	1.4	11	0.17	5.4	15	
10:04	21.92	1.4	12	0.16	5.5	22	
10:14	21.92	1.4	13	0.15	5.4	20	
10:24	21.91	1.4	13	0.15	5.4	18	
							tubing and bailer left in well

Sampled: 10:31
Pump Type: Grundfos, sampled with Teflon bailers
Analytical Parameters: TCL VOC's, TAL Metals

APPENDIX B

NYSDEC MONITORING WELL FIELD INSPECTION LOGS

SITE NAME: ServAll

SITE ID.: SL
INSPECTOR: JC
DATE/TIME: 2/3/10
WELL ID.: MW-1

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 ppm 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): 8"

	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): 89.57
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.87
MEASURE WELL DIAMETER (Inches): 4
WELL CASING MATERIAL: metal
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: marker
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.
Storm drain ~150' E of well, Power lines at road/alley block access to well

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

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
broken down cars parked around well.

REMARKS:

HTT
1/1

SITE NAME: ServAll

SITE ID.: SL
INSPECTOR: SL
DATE/TIME: 4-10 / 0845
WELL ID.: MW-2

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 2

	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 ppm 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): 33.85 83.51
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 32.34
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: marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 40' N

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, no overhead at end of st.

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.
Asphalt, between road & sidewalk

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

REMARKS:
4" meth

SITE NAME: ServAll.

SITE ID.: JL
INSPECTOR: RL
DATE/TIME: 2-3-10 1430
WELL ID.: MW-3A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 3A

	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 ppm 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): 117.03
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.12
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: marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 501 N

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, next to side walk

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 between road & side walk

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

REMARKS:
Lid is broken

SITE NAME: ServAll

SITE ID.: SL
INSPECTOR: JC
DATE/TIME: 2-4-10
WELL ID.: MW-3B

MONITORING WELL FIELD INSPECTION LOG

	YES	NO	
WELL VISIBLE? (If not, provide directions below)	X		
WELL COORDINATES? NYTM X _____ NYTM Y _____			
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-3B		
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 ppm 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"		
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):	89.35'		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	22.36		
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			

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.

15' from fence 1' from roadside.

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.

Sidewalk boundary, between sidewalk and curb.

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

None.

REMARKS:

Surface seal cracked

SITE NAME: Scrv All

SITE ID.: SL
INSPECTOR: IL
DATE/TIME: 2.9.10 0935
WELL ID.: MW-4

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 4

	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 ppm 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): 83.48
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.82
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: marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 35' N

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 at 5th Ave. and across St.

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 next to road

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

REMARKS:

SITE NAME: ServAll

SITE ID.: SL
INSPECTOR: PL
DATE/TIME: 2-4-10 / 1220
WELL ID.: MW-5

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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-5

	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 ppm 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): 26.61
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.49
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: marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 35' N

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.
overhead lines across street and end of 5th Ave.
overhead lines to house directly above 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.
dirt/gravel shoulder of road

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

REMARKS:
lid is broken.

SITE NAME: Servall

SITE ID.: 5L
INSPECTOR: RL
DATE/TIME: 2-4-10 1130
WELL ID.: MW-6A

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 ppm 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): 59.37
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 32.49
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: marker under cap
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 35' N

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, overhead lines at 5th Ave.

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/gravel shoulder of road, parking.

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

REMARKS:
lid is missing

SITE NAME: Seneca

SITE ID.: SC
INSPECTOR: PC
DATE/TIME: 7-4-10 / 1050
WELL ID.: MW-6B

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 ppm 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): 28.45
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.44
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: marker on cap
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 40' N

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.
across st. overhead lines and at end at 5th Ave.

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 road, dirt/gravel sholder

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

REMARKS:
lid missing

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: PL
DATE/TIME: 2-2-10 / 1330
WELL ID.: MW - 11

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 ppm 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): 25 –
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 9.13
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: ~~tree~~ –
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: –

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Sports field behind school.
no overhead lines tree branches over 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.
grass field

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

REMARKS:
J-plug and lid missing; well has been Redeveloped, no sample taken.

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: BL
DATE/TIME: 7-2-10 1082a
WELL ID.: MW-17

MONITORING WELL FIELD INSPECTION LOG

	YES	NO	
WELL VISIBLE? (If not, provide directions below)	X		
WELL COORDINATES? NYTM X _____ NYTM Y _____			
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:			12
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
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
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):			89.11
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):			15.17
MEASURE WELL DIAMETER (Inches):			2
WELL CASING MATERIAL:			good metal
PHYSICAL CONDITION OF VISIBLE WELL CASING:			
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE			marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES			100' from light pole

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.

South side of southern state hwy. 100' from marker pole 1048, ext three line

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

grass, side of highway

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

Salt runoff from roadway.

REMARKS:

outside of lid missing

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: PL
DATE/TIME: 2-2-10 /
WELL ID.: MW - 13

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 13

	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 ppm 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	~~X~~ PL
LOCK FUNCTIONAL?	X	~~X~~ PL
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): 96.42
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 15.56
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: marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 10' from lamp post

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 hwy.

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.
grass shoulder of Southern state hwy

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

REMARKS:
missing lid

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: RL
DATE/TIME: 2-2-10 / 1155
WELL ID.: MW-14

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 14

	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 _____
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) _____
PROTECTIVE CASING MATERIAL TYPE: _____
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): 93.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 15.86
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 marker
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES 50'

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.
50' from overhead lamp post

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.
grass area on side of highway; at tree line

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

REMARKS:
Well lid is broken

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: PL
DATE/TIME: 1405 / 2-2-10
WELL ID.: MW-16

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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: 16

	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 ppm 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): 9.3.94
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 11.51
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: 35' 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.
edge of road, pavement

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.
pavement

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

REMARKS:
Lid edge is broken

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: JC
DATE/TIME: 2/3/10 0826
WELL ID.: MW-235

MONITORING WELL FIELD INSPECTION LOG

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

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

	YES	NO
WELL I.D. VISIBLE?	X	X JC
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-235

	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 ppm 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): 69.23
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 5.76
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: 27' to telephone pole

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
well is 12' from curb onto a cul-de-sac. Open pavement all around - no nearby obstructions.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Open area - cul-de-sac - in pavement, no restoration necessary.

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

REMARKS:

SITE NAME: Serv All

SITE ID.: SL
INSPECTOR: JC
DATE/TIME: 2/3/10 0
WELL ID.: MW 23D

MONITORING WELL FIELD INSPECTION LOG

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

WELL COORDINATES? NYTM X _____ NYTM Y _____
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-23D

	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 ppm 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): 87.66'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 5.43
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: 35' from power 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.
No obstructions, however 3ft from parking area for 10 Parkal St.

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.
9' away from curb into cul-de-sac, no restoration necessary

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 (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-2		MW-3A		MW-3B		MW-4	
Sample ID	Class GA	SL-MW-1		SL-MW-2		SL-MW-3A		SL-MW-3B		SL-MW-4	
Laboratory ID	Ground	J0196-01		J0196-06		J0196-02		J0196-07		J0196-08	
Sample Date	Water	2/3/10		2/4/10		2/3/10		2/4/10		2/4/10	
	Criteria	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	5	U	5	U	5	U	5	U	5	U
Chloromethane	NC	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	2.3	J	5	U	5	U	5	U	5	U
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

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-2		MW-3A		MW-3B		MW-4	
Sample ID	Class GA	SL-MW-1		SL-MW-2		SL-MW-3A		SL-MW-3B		SL-MW-4	
Laboratory ID	Ground	J0196-01		J0196-06		J0196-02		J0196-07		J0196-08	
Sample Date	Water	2/3/10		2/4/10		2/3/10		2/4/10		2/4/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
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	1.1	BJ	5	U	5	U	5	U	5	U
Methyl tert-butyl ether	10	5	U	5	U	5	U	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	50		5	U	5	U	5	U	5	U
Toluene	5	5	U	5	U	5	U	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	1.8	J	5	U	5	U	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	1.1	BJ	5	U	5	U	5	U	5	U
TAL Metals											
Aluminum	NC	167	B	466		7870		2430		13500	
Antimony	3	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
Arsenic	25	3.1	U	3.1	U	7.8	B	3.1	U	3.1	U
Barium	1,000	69.4	B	31.7	B	134	B	35.2	B	36.5	B
Beryllium	3	0.037	U	0.037	U	0.34	B	0.085	B	0.11	B
Cadmium	5	1.3	B	43.7		6.8		1.1	B	2.6	B
Calcium	NC	40600		18500		14100		6930		15400	
Chromium	50	2.1	B	326		169		901		343	
Cobalt	NC	0.67	U	2.4	B	15.8	B	5.1	B	6.6	B
Copper	200	9.2	B	28.7	B	118		49.1		159	
Iron	300	673		2030		13900		4800		3150	
Lead	25	2.1	U	6.8	B	79.8		29.3		7.5	B
Magnesium	35,000	1470		2610		3240		1280		3470	
Manganese	300	264		325		2580		128		599	
Mercury	0.7	3.6	B	72		77.2		121		103	
Nickel	100	2040		2290		2150		1170		2540	
Potassium	NC	10	U	10	U	10	U	10	U	10	U

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-2		MW-3A		MW-3B		MW-4	
Sample ID	Class GA	SL-MW-1		SL-MW-2		SL-MW-3A		SL-MW-3B		SL-MW-4	
Laboratory ID	Ground	J0196-01		J0196-06		J0196-02		J0196-07		J0196-08	
Sample Date	Water	2/3/10		2/4/10		2/3/10		2/4/10		2/4/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Selenium	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Silver	50	47400		30200		64700		22300		85500	
Sodium	20,000	5.7	U	5.7	U	16.7	B	5.7	U	5.7	U
Thallium	0.5	0.7	B	3.9	B	23.2	B	10.3	B	4.3	B
Vanadium	NC	42.6	B	155		1040		189		155	
Zinc	2,000	0.056	U	0.056	U	0.11	B	0.064	B	0.072	B

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-5		MW-6A		MW-6B[1]		MW-12		MW-13	
Sample ID	Class GA	SL-MW-5		SMW-6A		SMW-6B		SL-MW-12		SL-MW-13	
Laboratory ID	Ground	J0196-09		J0196-10		J0196-11		J0189-01		J0189-02	
Sample Date	Water	2/4/10		2/4/10		2/4/10		2/2/10		2/2/10	
	Criteria	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	5	U	5	U	5	U	5	U	5	U
Chloromethane	NC	5	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	5	U	5	U	190		5	U	5	U
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

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-5		MW-6A		MW-6B[1]		MW-12		MW-13	
Sample ID	Class GA	SL-MW-5		SMW-6A		SMW-6B		SL-MW-12		SL-MW-13	
Laboratory ID	Ground	J0196-09		J0196-10		J0196-11		J0189-01		J0189-02	
Sample Date	Water	2/4/10		2/4/10		2/4/10		2/2/10		2/2/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
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	5	U	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	5	U	1.2	J	2000	D	10		5	U
Toluene	5	230	D	5	U	5	U	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	5	U	5	U	40		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
TAL Metals											
Aluminum	NC	4640		2840		18000		294		565	
Antimony	3	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
Arsenic	25	10.7	B	3.1	U	6.8	B	3.1	U	3.1	U
Barium	1,000	95.8	B	27.7	B	90.7	B	94.9	B	33.6	B
Beryllium	3	0.26	B	0.13	B	1.5	B	0.049	B	0.33	B
Cadmium	5	1.7	B	1.1	B	1.7	B	0.5	U	42.4	
Calcium	NC	17900		8730		26900		17500		6050	
Chromium	50	201		340		225		723		330	
Cobalt	NC	26.8	B	4.7	B	12.3	B	0.89	B	9.1	B
Copper	200	74.2		45.5		143		15.7	B	31.8	
Iron	300	26900		4380		28500		3730		2150	
Lead	25	7.5	B	27.8		83.9		2.1	U	5.9	B
Magnesium	35,000	2900		1990		5840		2820		2070	
Manganese	300	2410		346		269		498		446	
Mercury	0.7	37.5	B	83.1		70.4		53.2		452	
Nickel	100	10300		2580		3220		3820		2680	
Potassium	NC	10	U	10	U	10	U	10	U	10	U

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-5		MW-6A		MW-6B[1]		MW-12		MW-13	
Sample ID	Class GA	SL-MW-5		SMW-6A		SMW-6B		SL-MW-12		SL-MW-13	
Laboratory ID	Ground	J0196-09		J0196-10		J0196-11		J0189-01		J0189-02	
Sample Date	Water	2/4/10		2/4/10		2/4/10		2/2/10		2/2/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Selenium	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Silver	50	39200		92200		17400		62700		36800	
Sodium	20,000	14	B	5.7	U	5.7	U	5.7	U	5.7	U
Thallium	0.5	5.3	B	6.8	B	29.7	B	2	B	1.5	B
Vanadium	NC	91.5		111		325		25.7	B	109	
Zinc	2,000	0.12	B	0.38		0.39		0.056	U	0.056	U

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND 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	Ground	J0189-04		J0189-05		J0196-03		J0196-04	
Sample Date	Water	2/2/10		2/2/10		2/3/10		2/3/10	
	Criteria	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	2.8	J	1.3	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	2.4	J	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	16		38		5	U
cis-1,3-Dichloropropene	0.4	5	U	5	U	5	U	5	U
Dibromochloromethane	50	5	U	5	U	5	U	5	U

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND 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	Ground	J0189-04		J0189-05		J0196-03		J0196-04	
Sample Date	Water	2/2/10		2/2/10		2/3/10		2/3/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q
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	1.1	J	5	U	5.4		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	48		590	D	8.3	
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	11		15		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	1.2	J	5	U	5	U
Xylene (Total)	5	5	U	5	U	5	U	5	U
TAL Metals									
Aluminum	NC	259		1090		126	B	182	B
Antimony	3	4.2	U	4.2	U	4.2	U	4.2	U
Arsenic	25	3.1	U	3.1	U	3.1	U	3.1	U
Barium	1,000	35.9	B	12.6	B	12.5	B	31.7	B
Beryllium	3	0.037	U	0.037	U	0.037	U	0.037	U
Cadmium	5	0.5	U	0.5	U	1.9	B	0.54	B
Calcium	NC	5990		12700		13600		16500	
Chromium	50	196		326		1.3	B	1.5	B
Cobalt	NC	2.2	B	1.8	B	0.67	U	1.4	B
Copper	200	9.1	B	46.5		6.7	B	7.8	B
Iron	300	1200		1460		272		576	
Lead	25	2.1	U	3.6	B	2.1	U	2.8	B
Magnesium	35,000	2000		5950		5420		3260	
Manganese	300	134		80.8		1420		33.1	B
Mercury	0.7	27.7	B	62.8		13.7	B	2.5	B
Nickel	100	2020		1510		1100		3870	
Potassium	NC	10	U	10	U	10	U	10	U

APPENDIX C, TABLE 1
SERVALL LAUNDRY SITE (SITE 1-52-077)
FEBRUARY 2010 SAMPLING EVENT
VOCs AND 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	Ground	J0189-04		J0189-05		J0196-03		J0196-04	
Sample Date	Water	2/2/10		2/2/10		2/3/10		2/3/10	
	Criteria	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Selenium	10	2.4	U	2.4	U	2.4	U	2.4	U
Silver	50	76300		34300		23500		29200	
Sodium	20,000	5.7	U	5.7	U	8.6	B	5.7	U
Thallium	0.5	4.1	B	3.9	B	0.71	B	0.89	B
Vanadium	NC	26.6	B	51		45.5	B	35.9	B
Zinc	2,000	0.056	U	0.056	U	0.056	U	0.056	U

1 - See text Section 4.1 for details on sample ID
All values are in micrograms per liter (µg/L)
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

Report Date:
22-Feb-10 16:00

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

AECOM Technical Services, Inc.
300 Broadacres Drive
Bloomfield, NJ 07003

Work Order: J0189
Project : Multi Site G- ServAll
Project #:

Attn: Paul Kareth

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0189-01	SL-MW-12	Aqueous	02-Feb-10 09:40	03-Feb-10 08:55
J0189-02	SL-MW-13	Aqueous	02-Feb-10 11:30	03-Feb-10 08:55
J0189-03	SL-MW-63	Aqueous	02-Feb-10 11:30	03-Feb-10 08:55
J0189-04	SL-MW-14	Aqueous	02-Feb-10 12:30	03-Feb-10 08:55
J0189-05	SL-MW-16	Aqueous	02-Feb-10 14:59	03-Feb-10 08:55
J0189-06	TB-01	Aqueous	02-Feb-10 00:00	03-Feb-10 08:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quaility control requirements for each method. The results relate only to the samples(s) as recevied.

All applicable NELAC or USEPA CLP requirments have been meet.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

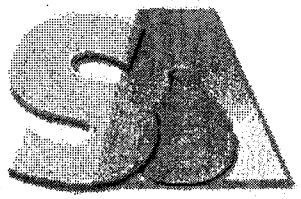
Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030

Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: YD

MITKEM LABORATORIES



* Data Summary Pack *

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0189

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SL-MW-12	J0189-01	SW8260_W			SW6010_W	
SL-MW-12	J0189-01				SW7470	
SL-MW-13	J0189-02	SW8260_W			SW6010_W	
SL-MW-13	J0189-02				SW7470	
SL-MW-63	J0189-03	SW8260_W			SW6010_W	
SL-MW-63	J0189-03				SW7470	
SL-MW-14	J0189-04	SW8260_W			SW6010_W	
SL-MW-14	J0189-04				SW7470	
SL-MW-16	J0189-05	SW8260_W			SW6010_W	
SL-MW-16	J0189-05				SW7470	
TB-01	J0189-06	SW8260_W				

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0189

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
J0189-01A	AQ	2/2/2010	2/3/2010	NA	2/10/2010
J0189-02A	AQ	2/2/2010	2/3/2010	NA	2/11/2010
J0189-03A	AQ	2/2/2010	2/3/2010	NA	2/11/2010
J0189-04A	AQ	2/2/2010	2/3/2010	NA	2/11/2010
J0189-05A	AQ	2/2/2010	2/3/2010	NA	2/10/2010
J0189-05AMS	AQ	2/2/2010	2/3/2010	NA	2/10/2010
J0189-05AMSD	AQ	2/2/2010	2/3/2010	NA	2/10/2010
J0189-06A	AQ	2/2/2010	2/3/2010	NA	2/10/2010

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0189

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
J0189-01A	AQ	SW8260_W	NA	LOW	1
J0189-02A	AQ	SW8260_W	NA	LOW	1
J0189-03A	AQ	SW8260_W	NA	LOW	1
J0189-04A	AQ	SW8260_W	NA	LOW	1
J0189-05A	AQ	SW8260_W	NA	LOW	1
J0189-05AMS	AQ	SW8260_W	NA	LOW	1
J0189-05AMSD	AQ	SW8260_W	NA	LOW	1
J0189-06A	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 **SDG :** J0189

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
J0189-01B	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-02B	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-03B	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-04B	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-05B	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-05BDUP	AQ	SW6010_W	2/3/2010	2/16/2010
J0189-05BMS	AQ	SW6010_W	2/3/2010	2/16/2010
SW7470				
J0189-01B	AQ	SW7470	2/3/2010	2/12/2010
J0189-02B	AQ	SW7470	2/3/2010	2/12/2010
J0189-03B	AQ	SW7470	2/3/2010	2/12/2010
J0189-04B	AQ	SW7470	2/3/2010	2/12/2010
J0189-05B	AQ	SW7470	2/3/2010	2/12/2010
J0189-05BDUP	AQ	SW7470	2/3/2010	2/12/2010
J0189-05BMS	AQ	SW7470	2/3/2010	2/12/2010

Analytical Data Package for AECOM Technical Services, Inc.

Client Project: Multi Site G - ServAll

SDG# SJ0189

Mitkem Work Order ID: J0189

February 22, 2010

Prepared For:

AECOM Technical Services, Inc.
300 Broadacres Drive
Bloomfield, NJ 07003
Attn: Mr. Paul Kareth

Prepared By:

Mitkem Laboratories
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SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to AECOM Technical Services, Inc.'s Multi Site G – ServAll project. Under this deliverable, analysis results are presented for six aqueous samples that were received on February 3, 2010. 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/lab control sample duplicate: spike recoveries were within the QC limits with the exception of marginally low recovery of 2,2-dichloropropane in LCS-49189. Replicate RPDs were within the QC limits.

Matrix spike/ matrix spike duplicate: duplicate analysis was performed on sample SL-MW-16. Spike recoveries and replicate RPDs were within the QC limits.

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

3. Metals Analysis:

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

Matrix spike: matrix spike was performed on sample SL-MW-16. Spike recoveries were within the QC limits.

Duplicate: duplicate analysis was performed on sample SL-MW-16. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample SL-MW-16. Percent difference were within the QC limits. No other unusual observation was made for the 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.

Agnes Huntley
CLP Project Manager
02/22/10

WorkOrder: J0189

02/22/2010 15:58

Mitkem Laboratories

Client ID: EARTH_NJ
Project: Multi Site G
WO Name: Multi Site G- ServAll
Location: MULTI_SITE,
Comments: send invoice to Paul according to e-mail on 5/28/08

Case:
SDG:
PO: 95900-04

HC Due: 02/24/10
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: CLF

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0189-01A	SL-MW-12	02/02/2010 09:40	02/03/2010	Aqueous	SW8260_W	/					VOA
J0189-01B	SL-MW-12	02/02/2010 09:40	02/03/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0189-01B	SL-MW-12	02/02/2010 09:40	02/03/2010	Aqueous	SW7470	/ TAL					M2
J0189-02A	SL-MW-13	02/02/2010 11:30	02/03/2010	Aqueous	SW8260_W	/					VOA
J0189-02B	SL-MW-13	02/02/2010 11:30	02/03/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0189-02B	SL-MW-13	02/02/2010 11:30	02/03/2010	Aqueous	SW7470	/ TAL					M2
J0189-03A	SL-MW-63	02/02/2010 11:30	02/03/2010	Aqueous	SW8260_W	/					VOA
J0189-03B	SL-MW-63	02/02/2010 11:30	02/03/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0189-03B	SL-MW-63	02/02/2010 11:30	02/03/2010	Aqueous	SW7470	/ TAL					M2
J0189-04A	SL-MW-14	02/02/2010 12:30	02/03/2010	Aqueous	SW8260_W	/					VOA
J0189-04B	SL-MW-14	02/02/2010 12:30	02/03/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0189-04B	SL-MW-14	02/02/2010 12:30	02/03/2010	Aqueous	SW7470	/ TAL					M2
J0189-05A	SL-MW-16	02/02/2010 14:59	02/03/2010	Aqueous	SW8260_W	/			Y		VOA
J0189-05B	SL-MW-16	02/02/2010 14:59	02/03/2010	Aqueous	SW6010_W	/ TAL			Y	Y	M2
J0189-05B	SL-MW-16	02/02/2010 14:59	02/03/2010	Aqueous	SW7470	/ TAL			Y		M2
J0189-06A	TB-01	02/02/2010 00:00	02/03/2010	Aqueous	SW8260_W	/					VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Shirley S Ng

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1000.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/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

CLIENT SAMPLE NO.

SL-MW-12

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1000.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	10	
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-13

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1018.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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

CLIENT SAMPLE NO.

SL-MW-13

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1018.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-63

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1019.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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	1.3	J
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

CLIENT SAMPLE NO.

SL-MW-63

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1019.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-14

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1020.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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	1.1	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	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

CLIENT SAMPLE NO.

SL-MW-14

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1020.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/11/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-16

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1002.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	1.2	J
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	2.4	J
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	16	
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	2.8	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	11	
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

CLIENT SAMPLE NO.

SL-MW-16

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1002.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	48	
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-16MS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1003.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	38	
74-87-3	Chloromethane	42	
75-01-4	Vinyl chloride	45	
74-83-9	Bromomethane	46	
75-00-3	Chloroethane	42	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	47	
67-64-1	Acetone	30	
74-88-4	Iodomethane	45	
75-15-0	Carbon disulfide	45	
75-09-2	Methylene chloride	45	
156-60-5	trans-1,2-Dichloroethene	45	
1634-04-4	Methyl tert-butyl ether	43	
75-34-3	1,1-Dichloroethane	44	
108-05-4	Vinyl acetate	38	
78-93-3	2-Butanone	38	
156-59-2	cis-1,2-Dichloroethene	63	
594-20-7	2,2-Dichloropropane	39	
74-97-5	Bromochloromethane	45	
67-66-3	Chloroform	44	
71-55-6	1,1,1-Trichloroethane	50	
563-58-6	1,1-Dichloropropene	45	
56-23-5	Carbon tetrachloride	47	
107-06-2	1,2-Dichloroethane	45	
71-43-2	Benzene	44	
79-01-6	Trichloroethene	58	
78-87-5	1,2-Dichloropropane	45	
74-95-3	Dibromomethane	45	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	43	
108-10-1	4-Methyl-2-pentanone	40	
108-88-3	Toluene	43	
10061-02-6	trans-1,3-Dichloropropene	43	
79-00-5	1,1,2-Trichloroethane	43	
142-28-9	1,3-Dichloropropane	41	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-16MS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1003.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	100	
591-78-6	2-Hexanone	33	
124-48-1	Dibromochloromethane	45	
106-93-4	1,2-Dibromoethane	44	
108-90-7	Chlorobenzene	44	
630-20-6	1,1,1,2-Tetrachloroethane	45	
100-41-4	Ethylbenzene	43	
1330-20-7	m,p-Xylene	87	
95-47-6	o-Xylene	43	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	41	
75-25-2	Bromoform	45	
98-82-8	Isopropylbenzene	43	
79-34-5	1,1,2,2-Tetrachloroethane	44	
108-86-1	Bromobenzene	46	
96-18-4	1,2,3-Trichloropropane	42	
103-65-1	n-Propylbenzene	44	
95-49-8	2-Chlorotoluene	45	
108-67-8	1,3,5-Trimethylbenzene	44	
106-43-4	4-Chlorotoluene	43	
98-06-6	tert-Butylbenzene	46	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	43	
99-87-6	4-Isopropyltoluene	44	
541-73-1	1,3-Dichlorobenzene	45	
106-46-7	1,4-Dichlorobenzene	44	
104-51-8	n-Butylbenzene	40	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	47	
87-68-3	Hexachlorobutadiene	37	
87-61-6	1,2,3-Trichlorobenzene	46	
91-20-3	Naphthalene	45	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-16MSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1004.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	40	
74-87-3	Chloromethane	42	
75-01-4	Vinyl chloride	47	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	45	
75-69-4	Trichlorofluoromethane	60	
75-35-4	1,1-Dichloroethene	47	
67-64-1	Acetone	33	
74-88-4	Iodomethane	46	
75-15-0	Carbon disulfide	46	
75-09-2	Methylene chloride	44	
156-60-5	trans-1,2-Dichloroethene	46	
1634-04-4	Methyl tert-butyl ether	45	
75-34-3	1,1-Dichloroethane	45	
108-05-4	Vinyl acetate	39	
78-93-3	2-Butanone	42	
156-59-2	cis-1,2-Dichloroethene	62	
594-20-7	2,2-Dichloropropane	39	
74-97-5	Bromochloromethane	46	
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	51	
563-58-6	1,1-Dichloropropene	46	
56-23-5	Carbon tetrachloride	49	
107-06-2	1,2-Dichloroethane	46	
71-43-2	Benzene	44	
79-01-6	Trichloroethene	58	
78-87-5	1,2-Dichloropropane	45	
74-95-3	Dibromomethane	46	
75-27-4	Bromodichloromethane	46	
10061-01-5	cis-1,3-Dichloropropene	44	
108-10-1	4-Methyl-2-pentanone	42	
108-88-3	Toluene	44	
10061-02-6	trans-1,3-Dichloropropene	45	
79-00-5	1,1,2-Trichloroethane	44	
142-28-9	1,3-Dichloropropane	44	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-16MSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-05AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1004.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	100	
591-78-6	2-Hexanone	36	
124-48-1	Dibromochloromethane	48	
106-93-4	1,2-Dibromoethane	46	
108-90-7	Chlorobenzene	46	
630-20-6	1,1,1,2-Tetrachloroethane	46	
100-41-4	Ethylbenzene	46	
1330-20-7	m,p-Xylene	89	
95-47-6	o-Xylene	45	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	44	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	44	
79-34-5	1,1,2,2-Tetrachloroethane	47	
108-86-1	Bromobenzene	46	
96-18-4	1,2,3-Trichloropropane	44	
103-65-1	n-Propylbenzene	45	
95-49-8	2-Chlorotoluene	45	
108-67-8	1,3,5-Trimethylbenzene	45	
106-43-4	4-Chlorotoluene	45	
98-06-6	tert-Butylbenzene	48	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	45	
99-87-6	4-Isopropyltoluene	46	
541-73-1	1,3-Dichlorobenzene	46	
106-46-7	1,4-Dichlorobenzene	44	
104-51-8	n-Butylbenzene	41	
95-50-1	1,2-Dichlorobenzene	48	
96-12-8	1,2-Dibromo-3-chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	47	
87-68-3	Hexachlorobutadiene	38	
87-61-6	1,2,3-Trichlorobenzene	52	
91-20-3	Naphthalene	50	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1016.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/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

CLIENT SAMPLE NO.

TB-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0189-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1016.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/03/2010

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49178

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49178

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L0985.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	41	
74-87-3	Chloromethane	39	
75-01-4	Vinyl chloride	42	
74-83-9	Bromomethane	41	
75-00-3	Chloroethane	41	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	41	
67-64-1	Acetone	33	
74-88-4	Iodomethane	41	
75-15-0	Carbon disulfide	43	
75-09-2	Methylene chloride	42	
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl tert-butyl ether	43	
75-34-3	1,1-Dichloroethane	42	
108-05-4	Vinyl acetate	42	
78-93-3	2-Butanone	38	
156-59-2	cis-1,2-Dichloroethene	41	
594-20-7	2,2-Dichloropropane	43	
74-97-5	Bromochloromethane	43	
67-66-3	Chloroform	42	
71-55-6	1,1,1-Trichloroethane	43	
563-58-6	1,1-Dichloropropene	42	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	43	
71-43-2	Benzene	42	
79-01-6	Trichloroethene	40	
78-87-5	1,2-Dichloropropane	43	
74-95-3	Dibromomethane	44	
75-27-4	Bromodichloromethane	42	
10061-01-5	cis-1,3-Dichloropropene	43	
108-10-1	4-Methyl-2-pentanone	40	
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	44	
79-00-5	1,1,2-Trichloroethane	42	
142-28-9	1,3-Dichloropropane	44	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49178

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49178

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L0985.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	44	
591-78-6	2-Hexanone	37	
124-48-1	Dibromochloromethane	44	
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	43	
630-20-6	1,1,1,2-Tetrachloroethane	45	
100-41-4	Ethylbenzene	43	
1330-20-7	m,p-Xylene	86	
95-47-6	o-Xylene	42	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	42	
75-25-2	Bromoform	44	
98-82-8	Isopropylbenzene	44	
79-34-5	1,1,2,2-Tetrachloroethane	45	
108-86-1	Bromobenzene	43	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	44	
95-49-8	2-Chlorotoluene	44	
108-67-8	1,3,5-Trimethylbenzene	45	
106-43-4	4-Chlorotoluene	44	
98-06-6	tert-Butylbenzene	46	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	44	
99-87-6	4-Isopropyltoluene	45	
541-73-1	1,3-Dichlorobenzene	44	
106-46-7	1,4-Dichlorobenzene	44	
104-51-8	n-Butylbenzene	44	
95-50-1	1,2-Dichlorobenzene	45	
96-12-8	1,2-Dibromo-3-chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	50	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	55	
91-20-3	Naphthalene	51	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49189

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49189

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1012.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	34	
74-87-3	Chloromethane	40	
75-01-4	Vinyl chloride	43	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	41	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	42	
67-64-1	Acetone	30	
74-88-4	Iodomethane	42	
75-15-0	Carbon disulfide	43	
75-09-2	Methylene chloride	43	
156-60-5	trans-1,2-Dichloroethene	43	
1634-04-4	Methyl tert-butyl ether	43	
75-34-3	1,1-Dichloroethane	43	
108-05-4	Vinyl acetate	41	
78-93-3	2-Butanone	38	
156-59-2	cis-1,2-Dichloroethene	41	
594-20-7	2,2-Dichloropropane	35	
74-97-5	Bromochloromethane	44	
67-66-3	Chloroform	43	
71-55-6	1,1,1-Trichloroethane	45	
563-58-6	1,1-Dichloropropene	42	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	45	
71-43-2	Benzene	42	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	43	
74-95-3	Dibromomethane	44	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	41	
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	43	
79-00-5	1,1,2-Trichloroethane	42	
142-28-9	1,3-Dichloropropane	43	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49189

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49189

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1012.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	43	
591-78-6	2-Hexanone	34	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	44	
108-90-7	Chlorobenzene	43	
630-20-6	1,1,1,2-Tetrachloroethane	44	
100-41-4	Ethylbenzene	43	
1330-20-7	m,p-Xylene	86	
95-47-6	o-Xylene	43	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	42	
75-25-2	Bromoform	46	
98-82-8	Isopropylbenzene	43	
79-34-5	1,1,2,2-Tetrachloroethane	45	
108-86-1	Bromobenzene	45	
96-18-4	1,2,3-Trichloropropane	43	
103-65-1	n-Propylbenzene	44	
95-49-8	2-Chlorotoluene	45	
108-67-8	1,3,5-Trimethylbenzene	45	
106-43-4	4-Chlorotoluene	43	
98-06-6	tert-Butylbenzene	46	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	43	
99-87-6	4-Isopropyltoluene	46	
541-73-1	1,3-Dichlorobenzene	45	
106-46-7	1,4-Dichlorobenzene	44	
104-51-8	n-Butylbenzene	42	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-chloropropane	55	
120-82-1	1,2,4-Trichlorobenzene	49	
87-68-3	Hexachlorobutadiene	45	
87-61-6	1,2,3-Trichlorobenzene	51	
91-20-3	Naphthalene	49	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49189

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49189

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1013.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	37	
74-87-3	Chloromethane	41	
75-01-4	Vinyl chloride	45	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	59	
75-35-4	1,1-Dichloroethene	42	
67-64-1	Acetone	30	
74-88-4	Iodomethane	44	
75-15-0	Carbon disulfide	45	
75-09-2	Methylene chloride	43	
156-60-5	trans-1,2-Dichloroethene	43	
1634-04-4	Methyl tert-butyl ether	44	
75-34-3	1,1-Dichloroethane	44	
108-05-4	Vinyl acetate	41	
78-93-3	2-Butanone	39	
156-59-2	cis-1,2-Dichloroethene	43	
594-20-7	2,2-Dichloropropane	36	
74-97-5	Bromochloromethane	44	
67-66-3	Chloroform	44	
71-55-6	1,1,1-Trichloroethane	46	
563-58-6	1,1-Dichloropropene	44	
56-23-5	Carbon tetrachloride	50	
107-06-2	1,2-Dichloroethane	46	
71-43-2	Benzene	44	
79-01-6	Trichloroethene	43	
78-87-5	1,2-Dichloropropane	45	
74-95-3	Dibromomethane	45	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	43	
108-10-1	4-Methyl-2-pentanone	41	
108-88-3	Toluene	43	
10061-02-6	trans-1,3-Dichloropropene	44	
79-00-5	1,1,2-Trichloroethane	44	
142-28-9	1,3-Dichloropropane	43	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49189

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0189 Mod. Ref No.: SDG No.: SJ0189

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49189

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1013.D

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

% Moisture: not dec. Date Analyzed: 02/10/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	45	
591-78-6	2-Hexanone	35	
124-48-1	Dibromochloromethane	48	
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	44	
630-20-6	1,1,1,2-Tetrachloroethane	46	
100-41-4	Ethylbenzene	44	
1330-20-7	m,p-Xylene	88	
95-47-6	o-Xylene	45	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	44	
75-25-2	Bromoform	47	
98-82-8	Isopropylbenzene	44	
79-34-5	1,1,2,2-Tetrachloroethane	46	
108-86-1	Bromobenzene	46	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	45	
95-49-8	2-Chlorotoluene	46	
108-67-8	1,3,5-Trimethylbenzene	46	
106-43-4	4-Chlorotoluene	46	
98-06-6	tert-Butylbenzene	47	
95-63-6	1,2,4-Trimethylbenzene	46	
135-98-8	sec-Butylbenzene	45	
99-87-6	4-Isopropyltoluene	48	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	45	
104-51-8	n-Butylbenzene	44	
95-50-1	1,2-Dichlorobenzene	48	
96-12-8	1,2-Dibromo-3-chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	50	
87-68-3	Hexachlorobutadiene	48	
87-61-6	1,2,3-Trichlorobenzene	53	
91-20-3	Naphthalene	50	

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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.: SJ0189

Matrix (soil/water): WATER Lab Sample ID: J0189-01

Level (low/med): MED Date Received: 02/03/2010

% 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	294			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	94.9	B		P
7440-41-7	Beryllium	0.049	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	17500			P
7440-47-3	Chromium	723			P
7440-48-4	Cobalt	0.89	B		P
7440-50-8	Copper	15.7	B		P
7439-89-6	Iron	3730			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	2820			P
7439-96-5	Manganese	498			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	53.2			P
7440-09-7	Potassium	3820			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	62700			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	2.0	B		P
7440-66-6	Zinc	25.7	B		P

Comments:

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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.: SJ0189

Matrix (soil/water): WATER Lab Sample ID: J0189-02

Level (low/med): MED Date Received: 02/03/2010

% 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	565			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	33.6	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	42.4			P
7440-70-2	Calcium	6050			P
7440-47-3	Chromium	330			P
7440-48-4	Cobalt	9.1	B		P
7440-50-8	Copper	31.8			P
7439-89-6	Iron	2150			P
7439-92-1	Lead	5.9	B		P
7439-95-4	Magnesium	2070			P
7439-96-5	Manganese	446			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	452			P
7440-09-7	Potassium	2680			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	36800			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	109			P

Comments:

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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.: SJ0189

Matrix (soil/water): WATER Lab Sample ID: J0189-04

Level (low/med): MED Date Received: 02/03/2010

% 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	259			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	35.9	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	5990			P
7440-47-3	Chromium	196			P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	9.1	B		P
7439-89-6	Iron	1200			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	2000			P
7439-96-5	Manganese	134			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	27.7	B		P
7440-09-7	Potassium	2020			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	76300			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	26.6	B		P

Comments:

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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.: SJ0189

Matrix (soil/water): WATER Lab Sample ID: J0189-05

Level (low/med): MED Date Received: 02/03/2010

% 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	1090			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	12.6	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	12700			P
7440-47-3	Chromium	326			P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	46.5			P
7439-89-6	Iron	1460			P
7439-92-1	Lead	3.6	B		P
7439-95-4	Magnesium	5950			P
7439-96-5	Manganese	80.8			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	62.8			P
7440-09-7	Potassium	1510			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	34300			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	51.0			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-63

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0189

Matrix (soil/water): WATER Lab Sample ID: J0189-03

Level (low/med): MED Date Received: 02/03/2010

% 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	590			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	32.5	B		P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	40.7			P
7440-70-2	Calcium	5880			P
7440-47-3	Chromium	340			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	33.1			P
7439-89-6	Iron	2250			P
7439-92-1	Lead	7.9	B		P
7439-95-4	Magnesium	2060			P
7439-96-5	Manganese	445			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	462			P
7440-09-7	Potassium	2560			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	35000			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	103			P

Comments:

Report Date:
26-Feb-10 09:01

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

AECOM Technical Services, Inc.
300 Broadacres Drive
Bloomfield, NJ 07003

Work Order: J0196
Project : Multi Site G- ServAll
Project #:

Attn: Paul Kareth

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0196-01	SL-MW-1	Aqueous	03-Feb-10 13:40	04-Feb-10 08:58
J0196-02	SL-MW-3A	Aqueous	03-Feb-10 15:30	04-Feb-10 08:58
J0196-03	SL-MW-23S	Aqueous	03-Feb-10 09:19	04-Feb-10 08:58
J0196-04	SL-MW-23D	Aqueous	03-Feb-10 10:31	04-Feb-10 08:58
J0196-05	TB-02	Aqueous	03-Feb-10 00:00	04-Feb-10 08:58
J0196-06	MW-02	Aqueous	04-Feb-10 09:20	05-Feb-10 08:55
J0196-07	MW-3B	Aqueous	04-Feb-10 08:30	05-Feb-10 08:55
J0196-08	MW-04	Aqueous	04-Feb-10 10:27	05-Feb-10 08:55
J0196-09	MW-05	Aqueous	04-Feb-10 12:55	05-Feb-10 08:55
J0196-10	MW-6A	Aqueous	04-Feb-10 12:00	05-Feb-10 08:55
J0196-11	MW-6B	Aqueous	04-Feb-10 11:15	05-Feb-10 08:55
J0196-12	TB-03	Aqueous	04-Feb-10 00:00	05-Feb-10 08:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quaility control requirements for each method. The results relate only to the samples(s) as recevied.

All applicable NELAC or USEPA CLP requirments have been meet.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

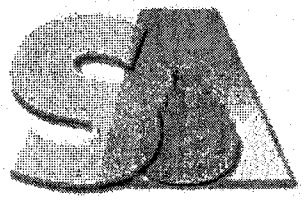
Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030

Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: YD

MITKEM
LABORATORIES



* Data Summary Pack *

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0196

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SL-MW-1	J0196-01	SW8260_W			SW6010_W	
SL-MW-1	J0196-01				SW7470	
SL-MW-3A	J0196-02	SW8260_W			SW6010_W	
SL-MW-3A	J0196-02				SW7470	
SL-MW-23S	J0196-03	SW8260_W			SW6010_W	
SL-MW-23S	J0196-03				SW7470	
SL-MW-23D	J0196-04	SW8260_W			SW6010_W	
SL-MW-23D	J0196-04				SW7470	
TB-02	J0196-05	SW8260_W				
MW-02	J0196-06	SW8260_W			SW6010_W	
MW-02	J0196-06				SW7470	
MW-3B	J0196-07	SW8260_W			SW6010_W	
MW-3B	J0196-07				SW7470	
MW-04	J0196-08	SW8260_W			SW6010_W	
MW-04	J0196-08				SW7470	
MW-05	J0196-09	SW8260_W			SW6010_W	
MW-05	J0196-09				SW7470	
MW-6A	J0196-10	SW8260_W			SW6010_W	
MW-6A	J0196-10				SW7470	
MW-6B	J0196-11	SW8260_W			SW6010_W	
MW-6B	J0196-11				SW7470	
TB-03	J0196-12	SW8260_W				

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0196

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
J0196-01A	AQ	2/3/2010	2/4/2010	NA	2/12/2010
J0196-02A	AQ	2/3/2010	2/4/2010	NA	2/12/2010
J0196-03A	AQ	2/3/2010	2/4/2010	NA	2/12/2010
J0196-03ADL	AQ	2/3/2010	2/4/2010	NA	2/17/2010
J0196-04A	AQ	2/3/2010	2/4/2010	NA	2/17/2010
J0196-05A	AQ	2/3/2010	2/4/2010	NA	2/12/2010
J0196-06A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-07A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-08A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-09A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-09ADL	AQ	2/4/2010	2/5/2010	NA	2/18/2010
J0196-10A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-11A	AQ	2/4/2010	2/5/2010	NA	2/17/2010
J0196-11ADL	AQ	2/4/2010	2/5/2010	NA	2/18/2010
J0196-12A	AQ	2/4/2010	2/5/2010	NA	2/18/2010

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** J0196

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
J0196-01A	AQ	SW8260_W	NA	LOW	1
J0196-02A	AQ	SW8260_W	NA	LOW	1
J0196-03A	AQ	SW8260_W	NA	LOW	1
J0196-03ADL	AQ	SW8260_W	NA	LOW	4
J0196-04A	AQ	SW8260_W	NA	LOW	1
J0196-05A	AQ	SW8260_W	NA	LOW	1
J0196-06A	AQ	SW8260_W	NA	LOW	1
J0196-07A	AQ	SW8260_W	NA	LOW	1
J0196-08A	AQ	SW8260_W	NA	LOW	1
J0196-09A	AQ	SW8260_W	NA	LOW	1
J0196-09ADL	AQ	SW8260_W	NA	LOW	2.5
J0196-10A	AQ	SW8260_W	NA	LOW	1
J0196-11A	AQ	SW8260_W	NA	LOW	1
J0196-11ADL	AQ	SW8260_W	NA	LOW	25
J0196-12A	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 **SDG :** J0196

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
J0196-01B	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-02B	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-03B	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-04B	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-04BDUP	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-04BMS	AQ	SW6010_W	2/4/2010	2/25/2010
J0196-06B	AQ	SW6010_W	2/5/2010	2/25/2010
J0196-07B	AQ	SW6010_W	2/5/2010	2/25/2010
J0196-07BDUP	AQ	SW6010_W	2/5/2010	2/23/2010
J0196-07BMS	AQ	SW6010_W	2/5/2010	2/22/2010
J0196-08B	AQ	SW6010_W	2/5/2010	2/25/2010
J0196-09B	AQ	SW6010_W	2/5/2010	2/25/2010
J0196-10B	AQ	SW6010_W	2/5/2010	2/25/2010
J0196-11B	AQ	SW6010_W	2/5/2010	2/25/2010
SW7470				
J0196-01B	AQ	SW7470	2/4/2010	2/18/2010
J0196-02B	AQ	SW7470	2/4/2010	2/18/2010
J0196-03B	AQ	SW7470	2/4/2010	2/18/2010
J0196-04B	AQ	SW7470	2/4/2010	2/18/2010
J0196-06B	AQ	SW7470	2/5/2010	2/18/2010
J0196-07B	AQ	SW7470	2/5/2010	2/18/2010
J0196-08B	AQ	SW7470	2/5/2010	2/18/2010
J0196-09B	AQ	SW7470	2/5/2010	2/18/2010
J0196-09BDUP	AQ	SW7470	2/5/2010	2/18/2010
J0196-09BMS	AQ	SW7470	2/5/2010	2/18/2010
J0196-10B	AQ	SW7470	2/5/2010	2/18/2010
J0196-11B	AQ	SW7470	2/5/2010	2/18/2010

Analytical Data Package for AECOM Technical Services, Inc.

Client Project: Multi Site G - ServAll

SDG# SJ0196

Mitkem Work Order ID: J0196

February 26, 2010

Prepared For:

AECOM Technical Services, Inc.
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 AECOM Technical Services, Inc.'s Multi Site G – ServAll project. Under this deliverable, analysis results are presented for twelve aqueous samples that were received on February 4 and 5, 2010. 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/lab control sample duplicate: spike recoveries were within the QC limits. Replicate RPDs were within the QC limits with the exception of acetone in LCS/LCSD-49346.

Sample analysis: m,p-xylene and total xylene were detected in method blank MB-49240 below the reporting limit but above the method detection limit. If m,p-xylene and/or total xylene were detected in the associated samples, the concentration for m,p-xylene and/or total xylene will be qualified with a "B" flag. Due to the high concentration of target analytes, the following samples were re-analyzed at dilution: SL-MW-23S (4x), MW-05 (2.5x) and MW-6B (25x). No other unusual observation was made for the analysis.

3. Metals Analysis:

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

Matrix spike: matrix spike was performed on sample MW-05 for mercury only, sample MW-3B for ICP metals minus lead and sample SL-MW-23D for lead only. Spike recoveries were within the QC limits.

Duplicate: duplicate analysis was performed on sample MW-05 for mercury only, sample MW-3B for ICP metals minus lead and sample SL-MW-23D for lead only. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample MW-3B for ICP metals minus lead and sample SL-MW-23D for lead only. Percent differences were within the QC limits. No other unusual observation was made for the 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.

Agnes Huntley
CLP Project Manager
02/26/10

WorkOrder: J0196

02/26/2010 08:48

Mitkem Laboratories

Client ID: EARTH_NJ
Project: Multi Site G
WO Name: Multi Site G- ServAll
Location: MULTI_SITE,
Comments: send invoice to Paul according to e-mail on 5/28/08

Case:
SDG:
PO: 95900-04

HC Due: 02/26/10
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: CLF

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0196-01A	SL-MW-1	02/03/2010 13:40	02/04/2010	Aqueous	SW8260_W	/					VOA
J0196-01B	SL-MW-1	02/03/2010 13:40	02/04/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-01B	SL-MW-1	02/03/2010 13:40	02/04/2010	Aqueous	SW7470	/ TAL					M2
J0196-02A	SL-MW-3A	02/03/2010 15:30	02/04/2010	Aqueous	SW8260_W	/					VOA
J0196-02B	SL-MW-3A	02/03/2010 15:30	02/04/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-02B	SL-MW-3A	02/03/2010 15:30	02/04/2010	Aqueous	SW7470	/ TAL					M2
J0196-03A	SL-MW-23S	02/03/2010 09:19	02/04/2010	Aqueous	SW8260_W	/					VOA
J0196-03B	SL-MW-23S	02/03/2010 09:19	02/04/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-03B	SL-MW-23S	02/03/2010 09:19	02/04/2010	Aqueous	SW7470	/ TAL					M2
J0196-04A	SL-MW-23D	02/03/2010 10:31	02/04/2010	Aqueous	SW8260_W	/					VOA
J0196-04B	SL-MW-23D	02/03/2010 10:31	02/04/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-04B	SL-MW-23D	02/03/2010 10:31	02/04/2010	Aqueous	SW7470	/ TAL					M2
J0196-05A	TB-02	02/03/2010 00:00	02/04/2010	Aqueous	SW8260_W	/					VOA
J0196-06A	MW-02	02/04/2010 09:20	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-06B	MW-02	02/04/2010 09:20	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-06B	MW-02	02/04/2010 09:20	02/05/2010	Aqueous	SW7470	/ TAL					M2
J0196-07A	MW-3B	02/04/2010 08:30	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-07B	MW-3B	02/04/2010 08:30	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-07B	MW-3B	02/04/2010 08:30	02/05/2010	Aqueous	SW7470	/ TAL					M2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Shirley S Ng

WorkOrder: J0196

02/26/2010 08:48

Mitkem Laboratories

Client ID: EARTH_NJ
Project: Multi Site G
WO Name: Multi Site G- ServAll
Location: MULTI_SITE,
Comments: send invoice to Paul according to e-mail on 5/28/08

Case:
SDG:
PO: 95900-04

HC Due: 02/26/10
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: CLF

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0196-08A	MW-04	02/04/2010 10:27	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-08B	MW-04	02/04/2010 10:27	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-08B	MW-04	02/04/2010 10:27	02/05/2010	Aqueous	SW7470	/ TAL					M2
J0196-09A	MW-05	02/04/2010 12:55	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-09B	MW-05	02/04/2010 12:55	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-09B	MW-05	02/04/2010 12:55	02/05/2010	Aqueous	SW7470	/ TAL					M2
J0196-10A	MW-6A	02/04/2010 12:00	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-10B	MW-6A	02/04/2010 12:00	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-10B	MW-6A	02/04/2010 12:00	02/05/2010	Aqueous	SW7470	/ TAL					M2
J0196-11A	MW-6B	02/04/2010 11:15	02/05/2010	Aqueous	SW8260_W	/					VOA
J0196-11B	MW-6B	02/04/2010 11:15	02/05/2010	Aqueous	SW6010_W	/ TAL				Y	M2
J0196-11B	MW-6B	02/04/2010 11:15	02/05/2010	Aqueous	SW7470	/ TAL					M2
J0196-12A	TB-03	02/04/2010 00:00	02/05/2010	Aqueous	SW8260_W	/					VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Shirley S Ng

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1097.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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	2.3	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	1.8	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	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

CLIENT SAMPLE NO.

SL-MW-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1097.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	50	
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	1.1	BJ
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	1.1	BJ
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-3A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1098.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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

CLIENT SAMPLE NO.

SL-MW-3A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1098.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-23S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1099.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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	5.4	
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	38	
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	1.3	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	15	
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

CLIENT SAMPLE NO.

SL-MW-23S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1099.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	380	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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-23SDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-03ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6036.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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	20	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

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-23SDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-03ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6036.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	590	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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SL-MW-23D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6037.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

CLIENT SAMPLE NO.

SL-MW-23D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6037.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	8.3	
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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1101.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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

CLIENT SAMPLE NO.

TB-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1101.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/04/2010

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6038.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

CLIENT SAMPLE NO.

MW-02

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6038.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6039.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

CLIENT SAMPLE NO.

MW-3B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6039.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-04

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6040.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

CLIENT SAMPLE NO.

MW-04

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6040.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-05

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6041.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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	240	E
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

CLIENT SAMPLE NO.

MW-05

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6041.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-05DL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-09ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6056.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
67-64-1	Acetone	13	U
74-88-4	Iodomethane	13	U
75-15-0	Carbon disulfide	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
108-05-4	Vinyl acetate	13	U
78-93-3	2-Butanone	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
594-20-7	2,2-Dichloropropane	13	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
563-58-6	1,1-Dichloropropene	13	U
56-23-5	Carbon tetrachloride	13	U
107-06-2	1,2-Dichloroethane	13	U
71-43-2	Benzene	13	U
79-01-6	Trichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
74-95-3	Dibromomethane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	230	D
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
142-28-9	1,3-Dichloropropane	13	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-05DL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-09ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6056.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
630-20-6	1,1,1,2-Tetrachloroethane	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	m,p-Xylene	13	U
95-47-6	o-Xylene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-86-1	Bromobenzene	13	U
96-18-4	1,2,3-Trichloropropane	13	U
103-65-1	n-Propylbenzene	13	U
95-49-8	2-Chlorotoluene	13	U
108-67-8	1,3,5-Trimethylbenzene	13	U
106-43-4	4-Chlorotoluene	13	U
98-06-6	tert-Butylbenzene	13	U
95-63-6	1,2,4-Trimethylbenzene	13	U
135-98-8	sec-Butylbenzene	13	U
99-87-6	4-Isopropyltoluene	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
104-51-8	n-Butylbenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
87-68-3	Hexachlorobutadiene	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U
91-20-3	Naphthalene	13	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6042.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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

CLIENT SAMPLE NO.

MW-6A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6042.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	1.2	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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6043.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/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	190	
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	40	
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

CLIENT SAMPLE NO.

MW-6B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6043.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	2400	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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6BDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-11ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6057.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 25.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	130	U
74-87-3	Chloromethane	130	U
75-01-4	Vinyl chloride	130	U
74-83-9	Bromomethane	130	U
75-00-3	Chloroethane	130	U
75-69-4	Trichlorofluoromethane	130	U
75-35-4	1,1-Dichloroethene	130	U
67-64-1	Acetone	130	U
74-88-4	Iodomethane	130	U
75-15-0	Carbon disulfide	130	U
75-09-2	Methylene chloride	130	U
156-60-5	trans-1,2-Dichloroethene	130	U
1634-04-4	Methyl tert-butyl ether	130	U
75-34-3	1,1-Dichloroethane	130	U
108-05-4	Vinyl acetate	130	U
78-93-3	2-Butanone	130	U
156-59-2	cis-1,2-Dichloroethene	250	D
594-20-7	2,2-Dichloropropane	130	U
74-97-5	Bromochloromethane	130	U
67-66-3	Chloroform	130	U
71-55-6	1,1,1-Trichloroethane	130	U
563-58-6	1,1-Dichloropropene	130	U
56-23-5	Carbon tetrachloride	130	U
107-06-2	1,2-Dichloroethane	130	U
71-43-2	Benzene	130	U
79-01-6	Trichloroethene	57	DJ
78-87-5	1,2-Dichloropropane	130	U
74-95-3	Dibromomethane	130	U
75-27-4	Bromodichloromethane	130	U
10061-01-5	cis-1,3-Dichloropropene	130	U
108-10-1	4-Methyl-2-pentanone	130	U
108-88-3	Toluene	130	U
10061-02-6	trans-1,3-Dichloropropene	130	U
79-00-5	1,1,2-Trichloroethane	130	U
142-28-9	1,3-Dichloropropane	130	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6BDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-11ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6057.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 25.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	2000	D
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	130	U
106-93-4	1,2-Dibromoethane	130	U
108-90-7	Chlorobenzene	130	U
630-20-6	1,1,1,2-Tetrachloroethane	130	U
100-41-4	Ethylbenzene	130	U
1330-20-7	m,p-Xylene	130	U
95-47-6	o-Xylene	130	U
1330-20-7	Xylene (Total)	130	U
100-42-5	Styrene	130	U
75-25-2	Bromoform	130	U
98-82-8	Isopropylbenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	130	U
108-86-1	Bromobenzene	130	U
96-18-4	1,2,3-Trichloropropane	130	U
103-65-1	n-Propylbenzene	130	U
95-49-8	2-Chlorotoluene	130	U
108-67-8	1,3,5-Trimethylbenzene	130	U
106-43-4	4-Chlorotoluene	130	U
98-06-6	tert-Butylbenzene	130	U
95-63-6	1,2,4-Trimethylbenzene	130	U
135-98-8	sec-Butylbenzene	130	U
99-87-6	4-Isopropyltoluene	130	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	130	U
104-51-8	n-Butylbenzene	130	U
95-50-1	1,2-Dichlorobenzene	130	U
96-12-8	1,2-Dibromo-3-chloropropane	130	U
120-82-1	1,2,4-Trichlorobenzene	130	U
87-68-3	Hexachlorobutadiene	130	U
87-61-6	1,2,3-Trichlorobenzene	130	U
91-20-3	Naphthalene	130	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-03

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6058.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/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

CLIENT SAMPLE NO.

TB-03

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0196-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6058.D

Level: (TRACE/LOW/MED) LOW Date Received: 02/05/2010

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49240

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49240

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1079.D

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

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	46	
74-87-3	Chloromethane	42	
75-01-4	Vinyl chloride	38	
74-83-9	Bromomethane	39	
75-00-3	Chloroethane	35	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	40	
67-64-1	Acetone	40	
74-88-4	Iodomethane	41	
75-15-0	Carbon disulfide	45	
75-09-2	Methylene chloride	41	
156-60-5	trans-1,2-Dichloroethene	41	
1634-04-4	Methyl tert-butyl ether	44	
75-34-3	1,1-Dichloroethane	41	
108-05-4	Vinyl acetate	42	
78-93-3	2-Butanone	41	
156-59-2	cis-1,2-Dichloroethene	40	
594-20-7	2,2-Dichloropropane	42	
74-97-5	Bromochloromethane	40	
67-66-3	Chloroform	41	
71-55-6	1,1,1-Trichloroethane	43	
563-58-6	1,1-Dichloropropene	39	
56-23-5	Carbon tetrachloride	42	
107-06-2	1,2-Dichloroethane	43	
71-43-2	Benzene	41	
79-01-6	Trichloroethene	37	
78-87-5	1,2-Dichloropropane	41	
74-95-3	Dibromomethane	42	
75-27-4	Bromodichloromethane	42	
10061-01-5	cis-1,3-Dichloropropene	42	
108-10-1	4-Methyl-2-pentanone	40	
108-88-3	Toluene	41	
10061-02-6	trans-1,3-Dichloropropene	42	
79-00-5	1,1,2-Trichloroethane	40	
142-28-9	1,3-Dichloropropane	44	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49240

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49240

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L1079.D

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

% Moisture: not dec. Date Analyzed: 02/12/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	41	
591-78-6	2-Hexanone	42	
124-48-1	Dibromochloromethane	46	
106-93-4	1,2-Dibromoethane	44	
108-90-7	Chlorobenzene	42	
630-20-6	1,1,1,2-Tetrachloroethane	44	
100-41-4	Ethylbenzene	44	
1330-20-7	m,p-Xylene	87	B
95-47-6	o-Xylene	44	
1330-20-7	Xylene (Total)	130	B
100-42-5	Styrene	43	
75-25-2	Bromoform	45	
98-82-8	Isopropylbenzene	43	
79-34-5	1,1,2,2-Tetrachloroethane	45	
108-86-1	Bromobenzene	43	
96-18-4	1,2,3-Trichloropropane	46	
103-65-1	n-Propylbenzene	41	
95-49-8	2-Chlorotoluene	42	
108-67-8	1,3,5-Trimethylbenzene	44	
106-43-4	4-Chlorotoluene	42	
98-06-6	tert-Butylbenzene	43	
95-63-6	1,2,4-Trimethylbenzene	43	
135-98-8	sec-Butylbenzene	40	
99-87-6	4-Isopropyltoluene	41	
541-73-1	1,3-Dichlorobenzene	42	
106-46-7	1,4-Dichlorobenzene	41	
104-51-8	n-Butylbenzene	39	
95-50-1	1,2-Dichlorobenzene	44	
96-12-8	1,2-Dibromo-3-chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	44	
87-68-3	Hexachlorobutadiene	41	
87-61-6	1,2,3-Trichlorobenzene	46	
91-20-3	Naphthalene	48	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49303

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6024.D

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

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	45	
74-87-3	Chloromethane	49	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	48	
75-35-4	1,1-Dichloroethene	49	
67-64-1	Acetone	40	
74-88-4	Iodomethane	50	
75-15-0	Carbon disulfide	49	
75-09-2	Methylene chloride	48	
156-60-5	trans-1,2-Dichloroethene	47	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	49	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	46	
156-59-2	cis-1,2-Dichloroethene	49	
594-20-7	2,2-Dichloropropane	48	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	48	
563-58-6	1,1-Dichloropropene	48	
56-23-5	Carbon tetrachloride	50	
107-06-2	1,2-Dichloroethane	51	
71-43-2	Benzene	49	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	49	
74-95-3	Dibromomethane	51	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	51	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49303

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6024.D

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

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	50	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	52	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	52	
100-41-4	Ethylbenzene	49	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	49	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	52	
75-25-2	Bromoform	56	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	51	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	52	
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	50	
98-06-6	tert-Butylbenzene	50	
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	49	
104-51-8	n-Butylbenzene	50	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	46	
120-82-1	1,2,4-Trichlorobenzene	42	
87-68-3	Hexachlorobutadiene	46	
87-61-6	1,2,3-Trichlorobenzene	41	
91-20-3	Naphthalene	44	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49346

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49346

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6054.D

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

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	44	
74-87-3	Chloromethane	48	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	47	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	49	
67-64-1	Acetone	53	
74-88-4	Iodomethane	50	
75-15-0	Carbon disulfide	49	
75-09-2	Methylene chloride	46	
156-60-5	trans-1,2-Dichloroethene	46	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	48	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	54	
156-59-2	cis-1,2-Dichloroethene	48	
594-20-7	2,2-Dichloropropane	46	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	49	
563-58-6	1,1-Dichloropropene	50	
56-23-5	Carbon tetrachloride	50	
107-06-2	1,2-Dichloroethane	50	
71-43-2	Benzene	49	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	50	
74-95-3	Dibromomethane	50	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	51	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-49346

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-49346

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6054.D

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

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	53	
591-78-6	2-Hexanone	57	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	52	
108-90-7	Chlorobenzene	50	
630-20-6	1,1,1,2-Tetrachloroethane	52	
100-41-4	Ethylbenzene	50	
1330-20-7	m,p-Xylene	98	
95-47-6	o-Xylene	50	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	50	
75-25-2	Bromoform	56	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	50	
108-86-1	Bromobenzene	49	
96-18-4	1,2,3-Trichloropropane	49	
103-65-1	n-Propylbenzene	48	
95-49-8	2-Chlorotoluene	49	
108-67-8	1,3,5-Trimethylbenzene	49	
106-43-4	4-Chlorotoluene	50	
98-06-6	tert-Butylbenzene	49	
95-63-6	1,2,4-Trimethylbenzene	48	
135-98-8	sec-Butylbenzene	49	
99-87-6	4-Isopropyltoluene	50	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	48	
104-51-8	n-Butylbenzene	49	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	52	
87-68-3	Hexachlorobutadiene	50	
87-61-6	1,2,3-Trichlorobenzene	53	
91-20-3	Naphthalene	53	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49303

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6025.D

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

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	45	
74-87-3	Chloromethane	44	
75-01-4	Vinyl chloride	46	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	45	
75-35-4	1,1-Dichloroethene	46	
67-64-1	Acetone	54	
74-88-4	Iodomethane	48	
75-15-0	Carbon disulfide	46	
75-09-2	Methylene chloride	48	
156-60-5	trans-1,2-Dichloroethene	44	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	47	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	49	
594-20-7	2,2-Dichloropropane	44	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	47	
563-58-6	1,1-Dichloropropene	46	
56-23-5	Carbon tetrachloride	47	
107-06-2	1,2-Dichloroethane	50	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	49	
74-95-3	Dibromomethane	51	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	52	
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	50	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49303

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6025.D

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

% Moisture: not dec. Date Analyzed: 02/17/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	55	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	48	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	47	
1330-20-7	m,p-Xylene	94	
95-47-6	o-Xylene	47	
1330-20-7	Xylene (Total)	140	
100-42-5	Styrene	49	
75-25-2	Bromoform	57	
98-82-8	Isopropylbenzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	51	
108-86-1	Bromobenzene	48	
96-18-4	1,2,3-Trichloropropane	50	
103-65-1	n-Propylbenzene	47	
95-49-8	2-Chlorotoluene	47	
108-67-8	1,3,5-Trimethylbenzene	47	
106-43-4	4-Chlorotoluene	47	
98-06-6	tert-Butylbenzene	47	
95-63-6	1,2,4-Trimethylbenzene	47	
135-98-8	sec-Butylbenzene	47	
99-87-6	4-Isopropyltoluene	48	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	48	
104-51-8	n-Butylbenzene	47	
95-50-1	1,2-Dichlorobenzene	48	
96-12-8	1,2-Dibromo-3-chloropropane	53	
120-82-1	1,2,4-Trichlorobenzene	50	
87-68-3	Hexachlorobutadiene	50	
87-61-6	1,2,3-Trichlorobenzene	56	
91-20-3	Naphthalene	55	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49346

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49346

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6055.D

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

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/L	Q
75-71-8	Dichlorodifluoromethane	44	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	50	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	49	
75-35-4	1,1-Dichloroethene	50	
67-64-1	Acetone	31	
74-88-4	Iodomethane	52	
75-15-0	Carbon disulfide	51	
75-09-2	Methylene chloride	49	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	50	
108-05-4	Vinyl acetate	49	
78-93-3	2-Butanone	46	
156-59-2	cis-1,2-Dichloroethene	52	
594-20-7	2,2-Dichloropropane	51	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	51	
563-58-6	1,1-Dichloropropene	53	
56-23-5	Carbon tetrachloride	51	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	52	
74-95-3	Dibromomethane	50	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	52	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-49346

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0196 Mod. Ref No.: SDG No.: SJ0196

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-49346

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V5L6055.D

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

% Moisture: not dec. Date Analyzed: 02/18/2010

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) µG/L	Q
127-18-4	Tetrachloroethene	54	
591-78-6	2-Hexanone	50	
124-48-1	Dibromochloromethane	53	
106-93-4	1,2-Dibromoethane	53	
108-90-7	Chlorobenzene	52	
630-20-6	1,1,1,2-Tetrachloroethane	55	
100-41-4	Ethylbenzene	52	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	54	
75-25-2	Bromoform	56	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	52	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	49	
103-65-1	n-Propylbenzene	51	
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	51	
95-63-6	1,2,4-Trimethylbenzene	50	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	53	
87-68-3	Hexachlorobutadiene	54	
87-61-6	1,2,3-Trichlorobenzene	54	
91-20-3	Naphthalene	51	

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-02

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-06

Level (low/med): MED Date Received: 02/05/2010

% 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	466			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	31.7	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	43.7			P
7440-70-2	Calcium	18500			P
7440-47-3	Chromium	326			P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	28.7	B		P
7439-89-6	Iron	2030			P
7439-92-1	Lead	6.8	B		P
7439-95-4	Magnesium	2610			P
7439-96-5	Manganese	325			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	72.0			P
7440-09-7	Potassium	2290			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	30200			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	155			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-04

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-08

Level (low/med): MED Date Received: 02/05/2010

% 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	13500			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	36.5	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	2.6	B		P
7440-70-2	Calcium	15400			P
7440-47-3	Chromium	343			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	159			P
7439-89-6	Iron	3150			P
7439-92-1	Lead	7.5	B		P
7439-95-4	Magnesium	3470			P
7439-96-5	Manganese	599			P
7439-97-6	Mercury	0.072	B		CV
7440-02-0	Nickel	103			P
7440-09-7	Potassium	2540			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	85500			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	155			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-05

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-09

Level (low/med): MED Date Received: 02/05/2010

% 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	4640			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	10.7	B		P
7440-39-3	Barium	95.8	B		P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	17900			P
7440-47-3	Chromium	201			P
7440-48-4	Cobalt	26.8	B		P
7440-50-8	Copper	74.2			P
7439-89-6	Iron	26900			P
7439-92-1	Lead	7.5	B		P
7439-95-4	Magnesium	2900			P
7439-96-5	Manganese	2410			P
7439-97-6	Mercury	0.12	B		CV
7440-02-0	Nickel	37.5	B		P
7440-09-7	Potassium	10300			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	39200			P
7440-28-0	Thallium	14.0	B		P
7440-62-2	Vanadium	5.3	B		P
7440-66-6	Zinc	91.5			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-3B

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-07

Level (low/med): MED Date Received: 02/05/2010

% 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	2430			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	35.2	B		P
7440-41-7	Beryllium	0.085	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	6930			P
7440-47-3	Chromium	901			P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	49.1			P
7439-89-6	Iron	4800			P
7439-92-1	Lead	29.3			P
7439-95-4	Magnesium	1280			P
7439-96-5	Manganese	128			P
7439-97-6	Mercury	0.064	B		CV
7440-02-0	Nickel	121			P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	22300			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	10.3	B		P
7440-66-6	Zinc	189			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6A

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-10

Level (low/med): MED Date Received: 02/05/2010

% 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	2840			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	27.7	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	8730			P
7440-47-3	Chromium	340			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	45.5			P
7439-89-6	Iron	4380			P
7439-92-1	Lead	27.8			P
7439-95-4	Magnesium	1990			P
7439-96-5	Manganese	346			P
7439-97-6	Mercury	0.38			CV
7440-02-0	Nickel	83.1			P
7440-09-7	Potassium	2580			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	92200			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	6.8	B		P
7440-66-6	Zinc	111			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-6B

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-11

Level (low/med): MED Date Received: 02/05/2010

% 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	18000			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	6.8	B		P
7440-39-3	Barium	90.7	B		P
7440-41-7	Beryllium	1.5	B		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	26900			P
7440-47-3	Chromium	225			P
7440-48-4	Cobalt	12.3	B		P
7440-50-8	Copper	143			P
7439-89-6	Iron	28500			P
7439-92-1	Lead	83.9			P
7439-95-4	Magnesium	5840			P
7439-96-5	Manganese	269			P
7439-97-6	Mercury	0.39			CV
7440-02-0	Nickel	70.4			P
7440-09-7	Potassium	3220			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	17400			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	29.7	B		P
7440-66-6	Zinc	325			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SL-MW-1

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-01

Level (low/med): MED Date Received: 02/04/2010

% 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	167	B		P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	69.4	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	40600			P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	9.2	B		P
7439-89-6	Iron	673			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	1470			P
7439-96-5	Manganese	264			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	2040			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	47400			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	0.70	B		P
7440-66-6	Zinc	42.6	B		P

Comments:

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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.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-04

Level (low/med): MED Date Received: 02/04/2010

% 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	182	B		P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	31.7	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	0.54	B		P
7440-70-2	Calcium	16500			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	7.8	B		P
7439-89-6	Iron	576			P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	3260			P
7439-96-5	Manganese	33.1	B		P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	3870			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	29200			P
7440-28-0	Thallium	5.7	U		P
7440-62-2	Vanadium	0.89	B		P
7440-66-6	Zinc	35.9	B		P

Comments:

U.S. EPA - CLP

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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.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-03

Level (low/med): MED Date Received: 02/04/2010

% 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	126	B		P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	3.1	U		P
7440-39-3	Barium	12.5	B		P
7440-41-7	Beryllium	0.037	U		P
7440-43-9	Cadmium	1.9	B		P
7440-70-2	Calcium	13600			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	6.7	B		P
7439-89-6	Iron	272			P
7439-92-1	Lead	2.1	U		P
7439-95-4	Magnesium	5420			P
7439-96-5	Manganese	1420			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	13.7	B		P
7440-09-7	Potassium	1100			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	23500			P
7440-28-0	Thallium	8.6	B		P
7440-62-2	Vanadium	0.71	B		P
7440-66-6	Zinc	45.5	B		P

Comments:

U.S. EPA - CLP

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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.: SJ0196

Matrix (soil/water): WATER Lab Sample ID: J0196-02

Level (low/med): MED Date Received: 02/04/2010

% 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	7870			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	7.8	B		P
7440-39-3	Barium	134	B		P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	6.8			P
7440-70-2	Calcium	14100			P
7440-47-3	Chromium	169			P
7440-48-4	Cobalt	15.8	B		P
7440-50-8	Copper	118			P
7439-89-6	Iron	13900			P
7439-92-1	Lead	79.8			P
7439-95-4	Magnesium	3240			P
7439-96-5	Manganese	2580			P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	77.2			P
7440-09-7	Potassium	2150			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	64700			P
7440-28-0	Thallium	16.7	B		P
7440-62-2	Vanadium	23.2	B		P
7440-66-6	Zinc	1040			P

Comments: