FINAL
GROUNDWATER SAMPLING REPORT
(November 2008 Sampling Event)

Multi Site G
Operation, Maintenance & Monitoring

Dzus Fasteners Site
West Islip, Suffolk County, NY
Site 1-52-033

Work Assignment No.
D004445-14.2A

Prepared for:

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

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Prepared by:

AECOM Technical Services Northeast, Inc.
300 Broadacres Drive
Bloomfield, New Jersey 07003

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1.0 INTRODUCTION

The Dzus Fasteners facility is located in West Islip, New York (Site No. 1-52-033). The Dzus Fastener facility was used to manufacturer fasteners and springs from 1932 to the present. Discharge of oils, heavy metals and salts via on-site leaching pools led to the contamination of soil, groundwater, and nearby surface waters and sediment in Willetts Creek and Lake Capri. An initial site inspection took place in August 1983. Contamination was discovered later in August 1983 and a preliminary site assessment was completed in September 1984. A phase I investigation was completed and a phase II investigation was submitted by Dzus in August of 1990. Dzus then completed an Interim Remedial Measure (IRM) in October 1990. During the IRM a leach field on the eastern side of the site was removed. A remedial investigation / feasibility study (RI/FS) was initiated on the site in 1992. The site was then broken up into the two Operable Units (OU1: the Dzus facility & OU2: the offsite localities including Willetts Creek and Lake Capri). A Record Of Decision (ROD) for OU1 was issued for the site in March 1995. A ROD for OU2 was issued for the site in October 1997. In response to the ROD for OU1, The remedy for contaminated groundwater in the vicinity of the Dzus facility consisted of source removal and ongoing natural attenuation. An asphalt cover at the eastern parking lot at the Dzus manufacturing facility was constructed to eliminate the potential for direct human contact with the underlying contaminated soils at the site, and to eliminate or reduce the mobility of soil contaminants that would cause further groundwater degradation. In response to the ROD for OU2, Lake Capri and a portion of Willetts Creek were dredged in 1999 and riprap was used to cover portions identified as having deeper zones of contamination in order to prevent future erosion.

In accordance with the remedial design, the fish population of Lake Capri was eradicated using Rotenone, a NYSDEC approved fish eradicant, in July 1999. In 2000 after completion of the remedial activities, the lake was restocked with silversides; bluegill, *Lepomis macrochirus*; and largemouth bass, *Microptera salmoides*.

AECOM Technical Services Northeast, Inc. (AECOM, [formerly Earth Tech Northeast, Inc.]) was tasked with collecting three rounds of samples from selected monitoring wells, and surface water/sediment samples from Willetts Creek and Lake Capri, at five-quarter intervals as part of a long term monitoring plan. Two rounds of fish tissue samples were also collected from Lake Capri in July 2006 and May 2007. AECOM is performing this work under the New York State Department of Environmental Conservation (NYSDEC) Superfund Standby Contract Work Assignment No. D004445-14.2A. The first round of sampling was conducted in June 2006. The second round of groundwater samples was collected in August 2007. A report was prepared and submitted after each round of sampling. This report presents the results from the third round of groundwater sampling that was conducted in November 2008.

2.0 BACKGROUND INFORMATION

The Dzus Fasteners Superfund site is located at 425 Union Boulevard, West Islip, New York (Figure 1). The Site is bounded to the north by railroad tracks and Union Boulevard to the south and east. The Site is bounded to the west by Beach Street and commercial properties. On the southeast side of Union Boulevard is a shopping plaza and southeast of the shopping plaza is Willetts Creek (a Class A surface water body). Willetts Creek flows south past a junior high school and high school, and eventually discharges into Lake Capri approximately 4,500 ft south of the Site. A total of 14 wells and six surface water/sediment sample locations were identified for long term monitoring at the Site (Figure 2).

3.0 FIELD ACTIVITIES

The third round of groundwater sampling activities occurred on November 11, 12 and 13, 2008. Surface water and sediment sampling was conducted on November 12 and 14, 2008. Sampling was conducted in accordance with the Sampling and Analysis Plan (SAP) prepared by AECOM (June, 2007). The SAP is comprised of the Field Sampling Plan (FSP), the Quality Assurance Project Plan (QAPP) and the Safe Work Plan (SWP). All field work was performed in Level D personal protection.

The monitoring wells were surveyed prior to the start of sampling on November 11, 2008. NYSDEC Monitoring Well Field Inspection Logs were prepared for each well and are presented in Appendix A. According to personnel at Dzus Fasteners, monitoring well MW-1 was damaged in December 2007 during snow removal and could not be located.

3.1 Water Level Survey

Readings were recorded in the field notebook and on the Well Sampling Forms. A summary of well construction data is presented in Table 1. Prior to the start of sampling, a synoptic round of water levels was collected from the 14 monitoring wells selected for sampling. Groundwater elevation data are presented on Table 2. A groundwater contour map was prepared for the November 2008 sampling event and is presented on Figure 3. As shown on the figure, the general direction of groundwater flow at the Site is to the south. The gradient was calculated as 0.0013, a very shallow gradient.

3.2 Groundwater Sampling

Fourteen wells were identified for long term monitoring at the Site. The selected wells are MW-1, MW-2, MW-3, MW-9, MW-9B, MW-13A, MW-13B, MW-15A, MW-15B, MW-18, MW-22A, MW-22B, MW-23A and MW-23B.

AECOM used a Honda centrifugal pump with black polyethylene tubing 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, dissolved oxygen, specific conductance, oxygen reduction potential, temperature and turbidity were recorded on the Well Sampling Forms after each well volume was removed. Well Sampling Forms are provided in Appendix A. NYSDEC Monitoring Well Field Inspection Logs were completed for each monitoring well and are included in Appendix B. Once the minimum volume of water was evacuated, a dedicated Teflon bailer was used to collect a groundwater sample. The sample was placed into laboratory supplied containers placed in an ice-filled cooler. The samples were then transported to Mitkem Laboratory via FedEx. Proper chain-of-custody procedures and requirements were maintained throughout the sampling event in accordance with the QAPP.

3.3 Surface Water / Sediment Sampling

Six surface water samples were collected from Lake Capri during the November 2008 sampling event. A small boat was used to gain access to the lake. Each surface water sample was collected by dipping laboratory-supplied bottles into the lake and then transferring the water to the laboratory supplied preserved bottles. At each surface water location, a co-located sediment sample was also collected. Sediment samples were collected using a ponar dredge to reach the lake bottom sediments. Excess water was decanted from the sediment sample prior to placement in the sample jars. Sample forms are included in Appendix A.

4.0 SAMPLING RESULTS

Groundwater, surface water and sediment samples were analyzed for target analyte list metals (TAL metals) using USEPA Method 6000/7000. The analyses were performed by Mitkem (Warwick, Rhode Island), a NYSDOH ELAP certified laboratory (ELAP certification number 11522). Data validation was not performed. An AECOM chemist provided a limited review of the data packages.

4.1 Groundwater Data

Groundwater samples were collected from 14 monitoring wells during the November 2008 sampling event. The monitoring well locations are presented on Figure 2. The laboratory data summary packages are included in Appendix C. A summary of the detections from all three sampling events is presented in Table 3. A summary of the exceedances from all three sampling events is presented on Figure 4.

Seven metals have been detected above their Class GA criteria during the three rounds of groundwater sampling at the Site. These metals are antimony, cadmium, iron, lead, manganese, sodium and thallium.

During the Round 1 sampling event in June 2006, antimony was detected in four of 14 monitoring wells. Of these detections, only one exceeded the Class GA criterion of 3 µg/L (3.2 µg/L at MW-23B). During Round 2 in August 2007, antimony was detected in four of 14 monitoring well samples and all four samples exceeded the criterion (maximum concentration of 7.3 µg/L in MW-2). During Round 3 in November 2008, antimony was only detected in one monitoring well sample, MW-18, and the concentration of 5.1 µg/L exceeded the criterion.

Cadmium was detected in every sample collected during all three rounds. During Round 1, cadmium concentrations exceeded the criterion of 5 µg/L in 10 of 14 samples (maximum concentration of 174 µg/L in MW-13A). During Round 2, cadmium again exceeded the criterion in 10 of 14 samples (maximum concentration of 702 µg/L in MW-23A). During Round 3, cadmium concentrations exceeded the criterion in eight of 13 samples (maximum concentration of 1,080 µg/L in MW-23A).

Iron was detected in all but one sample during the three rounds of sampling and the majority of samples exceeded the criterion of 300 µg/L. During Round 1, all 14 samples exceeded the criterion (maximum concentration of 70,400 µg/L in MW-22A). During Round 2, iron exceeded the criterion in 13 of 14 samples (maximum concentration of 29,700 µg/L in MW-23A). During Round 3 iron was detected in 12 of 13 samples and eight samples exceeded the criterion (maximum concentration of 23,300 µg/L in MW-2).

Lead was detected in the majority of the samples collected during the three sampling events at concentrations below the criterion of 25 µg/L. During Round 1, lead was detected in one sample, MW-23B, at a concentration of 35.7 µg/L exceeding the criterion.

Manganese was detected in every sample collected during the three rounds of groundwater sample collection, most of which exceeded the criterion of 300 µg/L. During Round 1, manganese concentrations exceeded the criterion in 10 of 14 samples (maximum concentration of 9,560 µg/L in MW-13A). During Round 2, the criterion was exceeded in 11 of 14 samples (maximum concentration of 8,040 µg/L in MW-13A). During Round 3 manganese concentrations exceeded the criterion in seven of 13 samples (maximum concentration of 16,400 µg/L in MW-13A).

Sodium was detected in every sample collected during the three rounds of sampling. Sodium exceeded the criterion of 20,000 µg/L in 8 of 14 samples during Round 1 (maximum concentration of 95,200 µg/L). The criterion was exceeded in 10 of 14 samples during Round 2 (maximum concentration of 77,500 µg/L

in MW-13A). During Round 3, sodium concentrations exceeded the criterion in five of 13 samples (maximum concentration of 43,900 µg/L in MW-15B).

Thallium has been detected sporadically in monitoring well samples during the three sampling events. During Round 1, thallium was detected in eight of 14 samples, all of which exceeded the criterion of 0.5 µg/L (maximum concentration of 44 µg/L in MW-13A). During Round 2, thallium was detected in four of 14 samples, all of which exceeded the criterion (maximum concentration of 6.3 µg/L in MW-2). During Round 3, thallium was only detected in only one sample, MW-13 at a concentration of 11.7 µg/L, which exceeded the criterion.

4.2 Surface Water Samples

Six surface water samples were collected from Lake Capri and Willetts Creek at the locations shown on Figure 2. A summary of the detections is presented in Table 4. The results were compared to the NYSDEC Class A surface water criteria. The full data set is presented in Appendix C, along with the laboratory data summary packages. A summary of the exceedances is presented on Figure 5.

Surface water sample SW-1 was collected on the north end of Lake Capri near the mouth of Willetts Creek. Iron and manganese were detected at concentrations above the Class A surface water criterion during each of the three sampling events. Iron was detected at concentrations of 691 µg/L, 738 µg/L, and 598 µg/L, which exceeded the Class A criterion of 300 µg/L. Manganese was detected at concentrations of 1,050 µg/L, 862 µg/L and 1,610 µg/L, which exceeded the criterion of 300 µg/L.

Surface water sample SW-2 was collected on the north end of Lake Capri near the mouth of Willetts Creek (south of SW-1). Iron and manganese were detected at concentrations above the Class A surface water criterion during all three sampling events. Iron was detected at concentrations of 649 µg/L, 819 µg/L and 675 µg/L which exceeded the Class A criterion of 300 µg/L. Manganese was detected at concentrations of 1,010 µg/L, 819 µg/L and 1,560 µg/L which exceeded the criterion of 300 µg/L.

Surface water sample SW-3 was collected on the south end of Lake Capri just west of the spillway. During the June 2006 sampling event, iron was detected at a concentration of 788 µg/L which exceeded the Class A criterion of 300 µg/L, and manganese was detected at a concentration of 882 µg/L which exceeded the criterion of 300 µg/L. There were no reported exceedances of the Class A surface water criterion during the August 2007 sampling event. During the November 2008 sampling event, iron and manganese again exceeded their criteria at concentrations of 772 µg/L and 1,790 µg/L, respectively.

Surface water sample SW-4 was collected on the south end of Lake Capri just east of the spillway. Iron was detected above the Class A criterion of 300 µg/L during all three sampling events at concentrations of 610 µg/L, 609 µg/L and 741 µg/L. Manganese was detected in all three sampling events but only exceeded the criterion of 300 µg/L during Rounds 1 and 3 at concentrations of 786 µg/L and 1,630 µg/L, respectively.

Surface water sample SW-5 was collected from Willetts Creek just south of the footbridge behind the high school. Antimony was detected during Rounds 1 and 2 at concentrations of 1.5 µg/L and 4.4 µg/L but only the Round 2 concentration exceeded the Class A criterion of 3 µg/L. Cadmium (Class A criterion of 5 µg/L) was detected in all three sampling events but only the Round 1 and 2 concentrations (5.7 µg/L and 5.6 µg/L) exceeded the criterion. Iron (Class A criterion of 300 µg/L) was detected above the criterion during all three sampling events at concentrations of 632 µg/L, 599 µg/L and 1,060 µg/L. Manganese (Class A criterion 0f 300 µg/L) was detected above the criterion during all three sampling events at concentrations of 1,420 µg/L, 1,110 µg/L and 956 µg/L. Sodium was detected during all three

sampling events but exceeded the criterion of 20,000 µg/L only during Rounds 1 and 2 at concentrations of 21,100 µg/L and 21,800 µg/L.

Surface water sample SW-6 was collected from Willetts Creek just south of the Blockbuster Video store in the small shopping center. Five metals, including antimony, cadmium, iron, manganese and sodium were detected at concentrations above the Class A criteria during the three sampling events. Antimony was only detected during Round 2 at a concentration of 8 µg/L which exceeded the Class A criterion of 3 µg/L. Cadmium was detected during all three sampling rounds but only exceeded the Class A criterion of 5 µg/L criterion during the November 2008 sampling event at a concentration of 75.4 µg/L. Iron (Class A criterion of 300 µg/L) was detected above the criterion during all three sampling events at concentrations of 5,400 µg/L, 2,170 µg/L and 4,010 µg/L. Manganese (Class A criterion of 300 µg/L) was detected above the criterion during all three sampling events at concentrations of 2,6,10 µg/L, 1,510 µg/L and 1,040 µg/L. Sodium (Class A criterion of 20,000) was detected above the criterion during all three sampling events at concentrations of 29,200 µg/L, 33,600 µg/L and 26,000 µg/L.

4.3 Sediment Samples

Six co-located sediment samples were collected at the same locations as the surface water samples as shown on Figure 2. The data presented in Table 5 were compared to the NYSDEC Technical Guidance for Sediment Criteria lowest effects values. The full data set is presented in Appendix C. The laboratory data summary packages are also included in Appendix C. A summary of the exceedances is presented on Figure 6.

Sample SED-1 was collected on the north end of Lake Capri near the mouth of Willetts Creek. Ten metals, including antimony, arsenic, cadmium, chromium, copper, lead, manganese, mercury, nickel and zinc were detected at concentrations above the guidance values. Antimony was detected during all three sampling events but only the Round 3 concentration of 2.2 mg/kg exceeded the guidance value of 2 mg/kg. Arsenic was detected during all three sampling events but only the Round 1 and 3 concentrations (7.9 mg/kg and 8.7 mg/kg) exceeded the guidance value of 6.0 mg/kg. Cadmium exceeded the guidance value of 0.6 mg/kg during all three sampling events at concentrations of 47.8 mg/kg, 11.6 mg/kg and 61.4 mg/kg. Chromium was detected during all three sampling events but only exceeded the guidance value of 26 during the Round 3 sampling event at a concentration of 27.1 mg/kg. Copper was detected above the guidance value of 16 mg/kg during all three sampling events at concentrations of 38.6 mg/kg, 86.3 mg/kg and 65.7 mg/kg. Lead was detected during all three sampling events but only the concentrations from Round 1 and 3 exceeded the guidance value of 31 mg/kg at concentrations of 170 mg/kg and 176 mg/kg, respectively. Manganese was detected above the guidance value of 460 mg/kg during the Round 1 and 2 sampling events at concentrations of 1,290 mg/kg and 1,200 mg/kg but was below the guidance value during Round 3. Mercury was detected during all three sampling events but the concentrations only exceeded the guidance value of 0.15 mg/kg during Round 1 (0.21 mg/kg) and Round 3 (0.34 mg/kg). Nickel was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Round 3 at a concentration of 19.4 mg/kg. Zinc was detected during all three sampling rounds and exceeded the guidance value of 120 mg/kg during Rounds 1 (215 mg/kg) and Round 3 (445 mg/kg).

Sample SED-2 was collected on the north end of Lake Capri near the mouth of Willetts Creek, just south of SED-1. Ten metals, including arsenic, cadmium, chromium, copper, iron, lead, manganese mercury, nickel and zinc, were detected at concentrations above the guidance values during the three sampling events. Arsenic was detected during all three sampling events but only exceeded the guidance value of 6 mg/kg during Round 1 at a concentration of 19.7 mg/kg. Cadmium was detected above the guidance value of 0.6 mg/kg during all three sampling events at concentrations of 133 mg/kg, 21.2 mg/kg and 12.5 mg/kg. Chromium was detected during all three sampling events but only exceeded the guidance

value of 26 during Round 1 at a concentration of 33.7 mg/kg. Copper was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Rounds 1 and 2 at concentrations of 210 mg/kg and 19.6 mg/kg, respectively. Iron was detected during all three sampling events but only exceeded the guidance value of 20,000 mg/kg during Round 1 at a concentration of 20,300 mg/kg. Lead was detected during all three sampling events but only exceeded the guidance value of 31 mg/kg during Round 1 and Round 2 at concentrations of 315 mg/kg and 40.7 mg/kg, respectively. Manganese was detected during all three sampling events and exceeded the guidance value of 460 mg/kg during Round 2 and 3 at concentrations of 1,300 mg/kg and 769 mg/kg, respectively. Mercury was detected during all three sampling events but only exceeded the guidance value of 0.15 during Round 1 at a concentration of 0.45 mg/kg. Nickel was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Round 1 at a concentration of 17.6 mg/kg. Zinc was detected during all three sampling events but only exceeded the guidance value of 120 mg/kg during Rounds 1 and 2 at concentrations of 402 mg/kg and 138 mg/kg, respectively.

Sample SED-3 was collected on the south end of Lake Capri just west of the spillway. Four metals have been detected above the guidance values including cadmium, copper, lead and manganese. Cadmium was detected above the guidance value of 0.6 mg/kg during all three sampling events at concentrations of 1.5 mg/kg, 27.7 mg/kg and 1.7 mg/kg. Copper was detected during all three sampling events and exceeded the guidance value of 16 mg/kg during Round 2 and 3 at concentrations of 16.7 mg/kg and 32.4 mg/kg. Lead was detected during all three sapling events and exceeded the guidance value of 31 mg/kg during Rounds 2 and 3 at concentrations of 44.2 mg/kg and 34 mg/kg. Manganese was detected during all three sampling events and exceeded the guidance value of 460 mg/kg during Rounds 2 and 3 at concentrations of 568 mg/kg and 908 mg/kg, respectively.

Sample SED-4 was collected on the south end of Lake Capri just east of the spillway. Seven metals were detected at concentrations that exceed the guidance values including cadmium, copper, lead, manganese, mercury, silver and zinc. Cadmium was detected above the guidance value of 0.6 mg/kg during all three sampling events at concentrations 32.3 mg/kg, 32.3 mg/kg and 15.8 mg/kg, respectively. Copper was detected above the guidance value of 16 mg/kg during all three sampling events at concentrations of 21.6 mg/kg, 35.7 mg/kg and 17.1 mg/kg, respectively. Lead was detected above the guidance value of 31 mg/kg during all three sampling events at concentrations of 71.2 mg/kg, 193 mg/kg and 34.4 mg/kg, respectively. Manganese was detected above the guidance value of 460 mg/kg during all three sampling events at concentrations of 837 mg/kg, 845 mg/kg and 11,700 mg/kg, respectively. Mercury was detected during all three sampling events but only exceeded the guidance value of 0.15 mg/kg during Round 3 at a concentration of 0.21 mg/kg. Silver was only detected during Round 3 at a concentration of 1.1 mg/kg which exceeds the guidance value of 1 mg/kg. Zinc was detected during all three sampling events but only exceeded the guidance value of 120 mg/kg during Rounds 1 and 2 at concentrations of 122 mg/kg and 186 mg/kg, respectively.

Sample SED-5 was collected from Willetts Creek just south of the footbridge behind the high school. Nine metals were detected above the guidance values at this location, including arsenic, cadmium, chromium, copper, lead, manganese, mercury, nickel and zinc. Arsenic was detected during all three sampling events but only exceeded the guidance value of 6 mg/kg during Round 3 at a concentration of 8.2 mg/kg. Cadmium was detected during all three sampling events and exceeded the guidance value of 0.6 mg/kg during Rounds 2 and 3 at concentrations of 1.6 mg/kg and 52 mg/kg, respectively. Chromium was detected during all three sampling events but only exceeded the guidance value of 26 during Round 3 at a concentration of 33.3 mg/kg. Copper was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Round 3 at a concentration of 103 mg/kg. Lead was detected during all three sampling events but only exceeded the guidance value of 31 mg/kg during Round 3 at a concentration of 215 mg/kg. Manganese was detected during all three sampling events and exceeded the guidance value of 460 mg/kg during Round 3 at a concentration of 2,140 mg/kg. Mercury

was detected during all three sampling events but only exceeded the guidance value of 0.15 during Round 3 at a concentration of 0.48 mg/kg. Nickel was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Round 3 at a concentration of 19.2 mg/kg. Zinc was detected during all three sampling events but only exceeded the guidance value of 120 mg/kg during Round 3 at a concentration of 290 mg/kg.

Sample SED-6 was collected from Willetts Creek just south of the Blockbuster Video store in the small shopping center. Ten metals were detected above the guidance values at this location, including antimony, arsenic, cadmium, chromium, copper, lead, manganese, mercury, nickel and zinc. Antimony was detected during all three sampling events but only exceeded the guidance value of 2 mg/kg during Round 3 at a concentration of 2.6 mg/kg. Arsenic was detected during all three sampling events but only exceeded the guidance value of 6 mg/kg during Round 3 at a concentration of 6.4 mg/kg. Cadmium was detected during all three sampling events and exceeded the guidance value of 0.6 mg/kg during Round 3 at a concentration of 101 mg/kg. Chromium was detected during all three sampling events but only exceeded the guidance value of 26 during Round 3 at a concentration of 41.8 mg/kg. Copper was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Rounds 1 and 3 at concentrations of 28.3 mg/kg and 77.3 mg/kg, respectively. Lead was detected during all three sampling events but only exceeded the guidance value of 31 mg/kg during Round 3 at a concentration of 109 mg/kg. Manganese was detected during all three sampling events and exceeded the guidance value of 460 mg/kg during Round 3 at a concentration of 978 mg/kg. Mercury was detected below the guidance value of 0.15 mg/kg during Rounds 1 and 2 and equaled the guidance value during Round 3. Nickel was detected during all three sampling events but only exceeded the guidance value of 16 mg/kg during Round 3 at a concentration of 17.2 mg/kg. Zinc was detected during all three sampling events but only exceeded the guidance value of 120 mg/kg during Round 3 at a concentration of 409 mg/kg.

5.0 SUMMARY AND RECOMMENDATIONS FOR FUTURE SITE REMEDIATION ACTIVITIES

5.1 Groundwater

Cadmium has been present in every sample collected during all three sampling events with exceedances noted in 11 samples during Round 1, ten samples during Round 2 and eight samples during Round 3. The majority exceedances are concentrated along the eastern side of the Site in wells MW-3, MW-9, MW-13A, MW-13B, MW-23A and MW-23B. The concentrations in these six monitoring wells have exceeded the criterion in each of the three sampling events.

Concentrations of iron, manganese and sodium have exceeded the criterion in numerous wells but these compounds are typically found in groundwater on Long Island are most likely representative of background conditions and not Site-related. There have been sporadic exceedances of antimony, lead and thallium but the concentrations and locations of the exceedances have not been replicated during the three sampling events and are most likely a result of entrained sediment in the samples and are not representative of the dissolved groundwater concentrations.

5.2 Surface Water

Cadmium was detected in both of the Willetts Creek samples (SW-5 and SW-6) during all three rounds. The concentrations in upstream sample SW-6 were below the criterion in the first two rounds but significantly exceeded the 5 µg/L criterion in Round 3 at 75.4 µg/L. The concentrations at downstream sample SW-5 have slightly exceeded the criterion during Rounds 1 and 2 but were below the criterion

during Round 3. Cadmium concentrations did not exceed the criterion in any of the four samples from Lake Capri. Continued monitoring is necessary to determine if the exceedance in SW-6 during Round 3 is an isolated occurrence.

With a few exceptions, iron and manganese were detected in all six surface water samples above their criterion during all three sampling events. This is most likely a result of natural conditions in Willetts Creek and not Site related.

Sodium concentrations exceeded the criterion in the two Willetts Creek samples (SED-5 and SED-6).

5.3 Sediments

The samples indicate that the surficial sediments in Lake Capri and Willetts Creek remain contaminated with metals above the applicable NYSDEC Technical Guidance for Sediment Criteria, lowest effects level. Cadmium has been detected above the criterion in 15 of 18 samples collected during the three rounds of sampling. Copper has been detected above the criterion in 13 of 18 samples collected and lead has been detected in 11 of 18 samples collected. Several other metals including arsenic, chromium, iron, manganese, mercury, nickel and zinc, were detected sporadically at concentrations exceeding the criteria during the three sampling events.

There was a significant increase in the number of metals that exceeded the criterion in the two Willetts Creek sediment samples collected during Round 3. At upstream sample SED-6, there was one exceedance during Round 1, no exceedances during Round 2, and 10 exceedances during Round 3. At SED-5, there were no exceedances during Round 1, one exceedance in Round 2, and nine exceedances during Round 3. Further sampling may be necessary to establish whether the exceedances noted in Round 3 can be replicated or these two samples are isolated occurrences. If the data is compared to the highest effects levels, only cadmium exceeded the criterion during all three sampling events.

5.4 Recommendations

This Round 3 sampling event completes AECOM's work assignment at the Site. AECOM recommends continued periodic sampling to document the metals contamination in groundwater, surface water and sediment.

TABLE 1
DZUS FASTENERS SITE (1-52-033)
WELL CONSTRUCTION DATA

Well Number	Latitude	Longitude	Ground Elevation	Top of Riser Elevation	Top of Casing Elevation	Total Depth of Well
MW-1	40° 42.49	73° 18.10	22.44	22.03	22.44	15.3
MW-2	40° 42.45	73° 18.10	22.16	21.42	22.16	14.3
MW-3	40° 42.49	73° 18.02	20.23	19.71	20.23	15.0
MW-9	40° 42.50	73° 18.02	19.14	18.83	19.14	11.5
MW-9B	40° 42.49	73° 18.01	19.08	18.75	19.08	44.5
MW-13A	40° 42.44	73° 17.100	16.34	16.02	16.34	10.7
MW-13B	40° 42.43	73° 17.99	16.14	15.82	16.14	44.3
MW-15A	40° 42.49	73° 17.97	19.45	19.09	19.45	28.8
MW-15B	40° 42.50	73° 17.96	19.35	19.06	19.35	84.7
MW-18			14.69	14.31	14.66	13.5
MW-22A	40° 42.491	73° 17.941	20.49	20.09	20.49	14.4
MW-22B	40° 42.491	73° 17.941	20.35	19.95	20.35	44.5
MW-23A	40° 42.402	73° 17.991	17.57	17.34	17.57	14.3
MW-23B	40° 42.403	73° 17.987	17.54	17.29	17.54	44.5

Notes:
All elevations and depths are in feet
Vertical datum: on-site benchmark from previous survey.
Latitude / Longitude taken from a previous report
Survey performed by YEC, Inc., on April 18, 2007

TABLE 2
DZUS FASTENERS SITE (1-52-033)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-1	22.03	6/8/06	8.00	14.03	
		8/22/07	8.62	13.41	
		11/11/08			could not be located, damaged during snow removal
MW-2	21.42	6/8/06	8.15	13.27	
		8/22/07	8.50	12.92	
		11/11/08	8.30	13.12	
MW-3	19.71	6/8/06	5.77	13.94	
		8/22/07	6.30	13.41	
		11/11/08	6.25	13.46	
MW-9	18.83	6/8/06	4.59	14.24	
		8/22/07	5.15	13.68	
		11/11/08	5.01	13.82	
MW-9B	18.75	6/8/06	4.50	14.25	
		8/22/07	5.05	13.70	
		11/11/08	4.93	13.82	
MW-13A	16.02	6/8/06	2.59	13.43	
		8/22/07	3.02	13.00	
		11/11/08	2.90	13.12	
MW-13B	15.82	6/8/06	2.39	13.43	
		8/22/07	2.85	12.97	
		11/11/08	2.69	13.13	
MW-15A	19.09	6/7/06	5.48	13.61	
		8/22/07	5.80	13.29	
		11/11/08	5.64	13.45	
MW-15B	19.06	6/7/06	5.35	13.71	
		8/22/07	5.70	13.36	
		11/11/08	5.58	13.48	
MW-18	14.31	6/8/06	7.93	6.38	
		8/23/07	5.05	9.26	
		11/11/08	4.98	9.33	
MW-22A	20.09	6/7/06	6.00	14.09	
		8/22/07	6.44	13.65	
		11/11/08	6.38	13.71	

TABLE 2
DZUS FASTENERS SITE (1-52-033)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-22B	19.95	6/7/06	5.82	14.13	
		8/22/07	6.30	13.65	
		11/11/08	6.20	13.75	
		11/11/08			
MW-23A	17.34	6/7/06	4.59	12.75	
		8/22/07	4.80	12.54	
		11/11/08	4.62	12.72	
MW-23B	17.29	6/7/06	4.51	12.78	
		8/22/07	5.05	12.24	
		11/11/08	4.59	12.70	

Notes:
All measurements in feet from top of casing
Veritcal data NGVD

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-1		MW-1		MW-2		MW-2		MW-2		MW-3		MW-3		MW-3	
Sample ID	Class GA	MW-1		DMW-1		DMW-1		MW-2		DMW-2		DMW-2		MW-3		DMW-3		DMW-3	
Laboratory ID	Groundwater	E0773-05A		F1193-01A		destroyed		E0773-10A		F1193-04A		G2114-01		E0773-07A		F1193-07A		G2114-04	
Sample Date	Criteria	6/8/06		8/22/07		11/11/08		6/7/06		8/22/07		11/11/08		6/8/06		8/22/07		11/11/08	
Matrix	water	water		water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	4,180		3,160		NA		7,090		1,580		242		5,650		620		314	
Antimony	3	ND		ND		NA		ND		***7.3***	B	ND		ND		ND		ND	
Arsenic	25	4.3	B	3.8	B	NA		3.9	B	6.3	B	ND		2.9	B	ND		ND	
Barium	1,000	80.2	B	73.3	B	NA		96.5	B	212		38.7	B	90.9	B	37.2	B	28.3	B
Beryllium	3	0.42	B	0.25	B	NA		0.4	B	0.71	B	0.27	B	0.26	B	ND		ND	
Cadmium	5	***23.9***		***5.1***		NA		4.2	B	***8.6***		2.7	B	***77.4***		***74.4***		***70.8***	
Calcium	NC	8,790		7,150		NA		15,500		28,200		14,500		17,800		17,200		11,800	
Chromium	50	8	B	5	B	NA		8.8	B	3.1	B	ND		9.2	B	1.6	B	ND	
Cobalt	NC	5.1	B	6.9	BE	NA		18.3	B	27	BE	13.8	B	4.4	B	1.6	BE	ND	
Copper	200	18.3	B	16	B	NA		19.3	B	8.3	B	12.6	B	16.1	B	5.4	B	ND	
Iron	300	***13,200***		***12,600***		NA		***14,900***		***25,200***		***23,300***		***4,430***		***649***		253	
Lead	25	3.9	B	9.8	B	NA		14.7		4.2	B	5.2	B	ND		3.8	B	2.7	B
Magnesium	35,000	3,010		2,420		NA		3,740		4,690		2700		4,160		3820		2,650	
Manganese	300	210		158		NA		***518***		***989***		***2,150***		***423***		***301***		262	
Mercury	0.7	ND		ND		NA		ND		ND		ND		ND		ND		ND	
Nickel	100	8.7	B	8.7	B	NA		13.3	B	9	B	4.7	B	6.8	B	2.1	B	1.6	B
Potassium	NC	1,760		1,680		NA		2,140		2,780		1880		2,630		2,050		1,420	
Selenium	10	ND		5.4	B	NA		1.4	B	ND		ND		ND		8.4	B	ND	
Silver	50	ND		ND		NA		ND		ND		ND		ND		3.5	B	ND	
Sodium	20,000	***22,500***		***23,100***		NA		***21,500***		***66,200***		18,600		***27,700***		***31,000***		***25,000***	
Thallium	0.5	***1.9 B***		***5.5 B***		NA		***2.3 B***		***6.3 B***		ND		***2.5 B***		ND		ND	
Vanadium	NC	7.8	B	8.2	B	NA		11.9	B	4	B	ND		8.1	B	1.1	B	ND	
Zinc	2,000	244		196		NA		138		82.8		64.3		87		29.4	B	26.2	B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9		MW-9		MW-9		MW-9B		MW-9B		MW-9B		MW-13A		MW-13A		MW-13A	
Sample ID	Class GA	MW-9		DMW-9		DMW-9		MW-9B		DMW-9B		DMW-9B		MW-13A		DMW-13A		DMW-13A	
Laboratory ID	Groundwater	E0773-09A		F1193-06A		G2114-02		E0773-08A		F1193-05A		G2114-03		E0773-13A		F1193-14A		F1193-14A	
Sample Date	Criteria	6/8/06		8/22/07		11/11/08		6/8/06		8/22/07		11/11/08		6/8/06		8/22/07		G2114-12	
Matrix	water	water		water		water		water		water		water		water		water		11/12/08	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.		conc.	
Aluminum	NC	16,800		3,520		611		213		177	B	ND		15,000		2,560		258	
Antimony	3	ND		ND		ND		1.8	B	***4.6***	***B***	ND		ND		ND		ND	
Arsenic	25	***32.6***		16.2	B	ND		ND		ND		ND		5.7	B	ND		ND	
Barium	1,000	102	B	44.7	B	30.2	B	45.5	B	25.5	B	27.1	B	176	B	94	B	185	B
Beryllium	3	0.63	B	ND		0.21	B	ND		ND		ND		0.53	B	ND		ND	
Cadmium	5	***32.8***		***22.4***		***15.5***		2.9	B	1.2	B	0.23	B	***174***		***94.1***		***67.7***	
Calcium	NC	16,000		15,100		10,800		10,800		11,900		8,180		37,900		23,300		19,900	
Chromium	50	***125***		***62.2***		35.3		2.2	B	3.4	B	ND		12.9	B	2.7	B	ND	
Cobalt	NC	5.2	B	4.9	BE	1.5	B	2.6	B	1.5	BE	ND		55.8		45.4	BE	35.4	B
Copper	200	62.3		41.4		17.3	B	28.8	B	14.8	B	ND		34.3		ND		ND	
Iron	300	***21,600***		***12,400***		***3,670***		***561***		***429***		134	B	***12,700***		***3,490***		***300***	
Lead	25	11.6		10.6		5.9	B	ND		6	B	ND		5.7	B	2.5	B	ND	
Magnesium	35,000	3,170		1,550		2,690		1,640		1,630		1,330		5,580		3,640		2,630	
Manganese	300	151		117		62.6		211		***306***		171		***9,560***		***8,040***		***16,400***	
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	18.3	B	7.3	B	3.3	B	8.6	B	2.9	B	ND		9.4	B	2.1	B	ND	
Potassium	NC	3,270		4,830		1,720		2,140		2,050		1,940		7,430		6,390		3,680	
Selenium	10	2.7	B	ND		ND		ND		ND		ND		ND		ND		ND	
Silver	50	ND		ND		ND		ND		2.2	B	ND		ND		3.5	B	ND	
Sodium	20,000	***25,500***		***52,100***		16,100		8,070		10,100		11,800		***94,500***		***77,500***		***21,700***	
Thallium	0.5	ND		ND		ND		ND		ND		ND		***44***		ND		***11.7***	B
Vanadium	NC	33.1	B	13.4	B	5.5	B	ND		0.83	B	ND		17.6	B	3.7	B	ND	
Zinc	2,000	170		73.1		55.9		83.7		36	B	35.3	B	53.3		16.8	B	20.8	B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13B		MW-13B		MW-13B		MW-15A		MW-15A		MW-15A		MW-15B		MW-15B		MW-15B	
Sample ID	Class GA	MW-13B		DMW-13B		DMW-13B		MW-15A		DMW-15A		DMW-15A		MW-15B		DMW-15B		DMW-15B	
Laboratory ID	Groundwater	E0773-14A		F1193-13A		G2114-13		E0773-03A		F1193-15A		G2114-08		E0773-04A		F1193-10A		G2114-07	
Sample Date	Criteria	6/8/06		8/22/07		11/12/08		6/7/06		8/22/07		11/12/08		6/7/06		8/22/07		11/12/08	
Matrix	water	water		water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	330		133	B	ND		773		ND		ND		224		58.6	B	ND	
Antimony	3	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	25	ND		ND		ND		ND		ND		ND		1.7	B	ND		ND	
Barium	1,000	54.3	B	29	B	33.4	B	53.7	B	15.5	B	20.1	B	83.6	B	40.6	B	45	B
Beryllium	3	ND		ND		ND		ND		ND		ND		ND		ND		0.19	B
Cadmium	5	***15***		***9.8***		2.3	B	***28.8***		***29.1***		***33.9***		3.6	B	0.54	B	0.29	B
Calcium	NC	10,700		9,840		11,700		18,900		13,700		12,100		16,400		13,700		13,700	
Chromium	50	27.8		27.2		22.3		3	B	0.45	B	ND		2.1	B	0.56	B	ND	
Cobalt	NC	3.9	B	1.9	BE	ND		3.2	B	1.3	BE	ND		5.5	B	2.7	BE	1.9	B
Copper	200	19.3	B	13.8	B	ND		38		4.8	B	ND		20.4	B	2.5	B	ND	
Iron	300	***614***		***404***		106	B	***2,320***		158	B	ND		***4,780***		***1,320***		***875***	
Lead	25	ND		7.7	B	3.1	B	9.9	B	1.7	B	ND		3.3	B	ND		3.6	B
Magnesium	35,000	1,710		1,600		1,910		3,170		2,240		1,890		5,930		5,290		5,240	
Manganese	300	***621***		***426***		153		***370***		***929***		***895***		239		228		267	
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	9.8	B	4.2	B	ND		7.1	B	0.85	B	ND		11.5	B	1.4	B	2.2	B
Potassium	NC	2,410		1,820		2,100		2,090		1,960		1,610		2,450		1,500		1,980	
Selenium	10	ND		6.2	B	ND		ND		ND		ND		ND		ND		ND	
Silver	50	ND		2.3	B	ND		ND		3.4	B	ND		ND		2.5	B	1	B
Sodium	20,000	7,880		6,710		9,280		18,000		13,300		9,040		***46,600***		***45,200***		***43,900***	
Thallium	0.5	ND		ND		ND		***1.9***	***B***	ND		ND		***3***	***B***	ND		ND	
Vanadium	NC	1.3	B	0.96	B	ND		2.6	B	ND		ND		0.72	B	ND		ND	
Zinc	2,000	45.9	B	33.2	B	24.3	B	155		18.8	B	24.3	B	129		16.8	B	38.9	B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-18		MW-18		MW-18		MW-22A		MW-22A		MW-22A		MW-22B		MW-22B		MW-22B	
Sample ID	Class GA	MW-18		DMW-18		DMW-18		MW-22A		DMW-22A		DMW-22A		MW-22B		DMW-22B		DMW-22B	
Laboratory ID	Groundwater	E0773-06A		F1193-16A		G2114-06		E0773-11A		F1193-09A		G2114-09		E0773-12A		F1193-08A		G2114-11	
Sample Date	Criteria	6/8/06		8/23/07		11/11/08		6/7/06		8/22/07		11/12/08		6/7/06		8/22/07		11/12/08	
Matrix	water	water		water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	1,430		829		88.1	B	4,320		2,870		2,620		763	B	151	B	ND	
Antimony	3	ND		ND		***5.1***	B	1.7	B	***5.2 B***		ND		ND		***4.7 B***		ND	
Arsenic	25	ND		ND	U	ND		16	B	3.8	B	7.2	B	ND		ND		ND	
Barium	1,000	168	B	71.3	B	166	B	167	B	76.9	B	69.6	B	76.6	B	48.2	B	41.3	B
Beryllium	3	ND		ND		ND		0.15	B	ND		0.21	B	ND		ND		ND	
Cadmium	5	3	B	1.2	B	***9.8***		***38.9***		***22.1***		***13.5***		***29***	B	4.4	B	1.2	B
Calcium	NC	13,900		9,790		12,600		52,100		37,500		55,700		12,800		20,400		27,200	
Chromium	50	2.2	B	0.63	B	ND		18	B	12.8	B	13	B	7.9	B	1.5	B	ND	
Cobalt	NC	7.3	B	5.5	BE	2	B	2.2	B	5.2	BE	ND		17.4	B	3.9	BE	1.5	B
Copper	200	17.7	B	3.5	B	11.1	B	32.3		24	B	19.3	B	118	B	4	B	ND	
Iron	300	***1,150***		***1,320***		114	B	***70,400***		***22,400***		***22,000***		***4,600***		***1,120***		***518***	
Lead	25	ND		1.9	B	ND		8.6	B	13.1		11.3		8.6	B	3	B	2.4	B
Magnesium	35,000	2,340		1,550		2,440		8,300		5,580		7,860		2,660	B	3,130		5,090	
Manganese	300	***6,270***		***4,490***		***2,870***		***1,280***		***1,190***		***1,030***		***2,310***		***2,440***		***775***	
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	17.5	B	13	B	29.3	B	6	B	3.7	B	2.6	B	28	B	2.7	B	6.5	B
Potassium	NC	1,520		1,180		1,540		4,560		3,530		3,980		3,000	B	2,500		1,910	
Selenium	10	ND		ND		ND		8.7	B	ND		ND		ND		ND		ND	
Silver	50	ND		1.5	B	ND		ND		ND		ND		ND		4.2	B	ND	
Sodium	20,000	7,870		6,020		12,100		***95,200***		***69,400***		***39,900***		8,170	B	17,100		11,300	
Thallium	0.5	***26.5***		ND		ND		ND		***2.8 B***		ND		***20.1***	B	***3.5 B***		ND	
Vanadium	NC	2.6	B	1.4	B	ND		17.4	B	9.2	B	7	B	ND		0.49	B	ND	
Zinc	2,000	235		89		265		1,650		1,170		714		194	B	39.4	B	29.8	B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23A		MW-23A		MW-23A		MW-23B		MW-23B		MW-23B	
Sample ID	Class GA	MW-23A		DMW-23A		DMW-23A		MW-23B		DMW-23B		DMW-23B	
Laboratory ID	Groundwater	E0773-01A		F1193-12A		G2114-14		E0773-02A		F1193-11A		G2114-15	
Sample Date	Criteria	6/7/06		8/22/07		11/12/08		6/7/06		8/22/07		11/12/08	
Matrix	water	water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	941		2,440		3200		2,450		632		406	
Antimony	3	1.8	B	***5.8***	***B***	ND		***3.2***	B	ND		ND	
Arsenic	25	2	B	4.1	B	5.8	B	4.1	B	ND		ND	
Barium	1,000	87.5	B	51.2	B	40.1	B	215		86.4	B	64.6	B
Beryllium	3	ND		ND		0.29	B	0.21	B	ND		0.13	B
Cadmium	5	***110***		***702***		***1,080***		***320***		***60***		***42.2***	
Calcium	NC	34,200		40,900		31,000		21,500		25,100		15,700	
Chromium	50	3.6	B	4.9	B	3.6	B	***74.9***		13.9	B	4.3	B
Cobalt	NC	3.2	B	6.1	BE	ND		4.8	B	2.4	BE	ND	
Copper	200	33.2		35.9		47.6		94.6		19.8	B	24.6	B
Iron	300	***10,300***		***29,700***		***13,100***		***8,220***		***2,140***		***1,270***	
Lead	25	ND		6.6	B	9.5	B	***35.7***		10.3		17.7	
Magnesium	35,000	6,660		6,280		9,020		1,890		1,290		1,590	
Manganese	300	***1,100***		***612***		***1,390***		***548***		***508***		52.1	
Mercury	0.7	0.065	B	ND		ND		0.11	B	ND		ND	
Nickel	100	9.3	B	7.1	B	2.2	B	68.8		16.7	B	20.5	B
Potassium	NC	7,070		5,200		6,780		2,400		1,970		1,660	
Selenium	10	1.3	B	6.1	B	ND		ND		8.6	B	ND	
Silver	50	0.92	B	ND		ND		ND		5	B	0.81	B
Sodium	20,000	***60,200***		***32,400***		***37,800***		2,390		3,870		2,200	
Thallium	0.5	***9.3***	B	ND		ND		***3.1***	***B***	ND		ND	
Vanadium	NC	5.5	B	12.6	B	20.5	B	17.7	B	9	B	5.9	B
Zinc	2,000	181		26.9	B	42.7	B	417		145		198	

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 4
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location	NYSDEC	Lake Capri	Lake Capri	Lake Capri	Lake Capri	Lake Capri	Lake Capri	Lake Capri	Lake Capri	Lake Capri
Sample ID	Class A	SW-1	SW-1	SW-1	SW-2	SW-2	SW-2	SW-3	SW-3	SW-3
Laboratory ID	Surface Water	E0868-01A	F1193-20A	G2136-11	E0868-03A	F1194-02A	G2136-09	E0868-05A	F1194-04A	G2136-13
Sample Date	Criteria	6/21/06	8/23/07	11/14/08	6/21/06	8/23/07	11/14/08	6/21/06	8/23/07	11/14/08
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc. Q	conc.	conc.	conc. Q	conc.	conc.	conc. Q	conc. Q	conc. Q
Aluminum	NC	31.9 B	40.1 B	ND	16.8 B	98.4 B	ND	69.5 B	37 U	ND
Antimony	3	ND	ND	***6*** B	ND	ND	ND	ND	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	13.2 B	23.1 B	31.8 B	12.2 B	24.3 B	32.4 B	7.9 B	12.6 B	38.6 B
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	1.1 B	2.3 B	1.5 B	1 B	2.1 B	2 B	1.9 B	0.32 B	0.97 B
Calcium	NC	15,100	14,100	14,300	14,900	13,300	14,300	15,200	13,100	14,000
Chromium	50	0.6 B	0.95 B	ND	0.52 B	1.2 B	ND	0.58 B	0.7 B	ND
Cobalt	NC	0.94 B	1.4 BE	ND	0.92 B	1 B	ND	0.72 B	1 B	ND
Copper	200	8.9 B	3.1 B	ND	ND	4.4 B	ND	ND	3.9 B	ND
Iron	300	***691***	***738***	***598***	***649***	***819***	***675***	***788***	280	***772***
Lead	50	ND	2.1 B	ND	ND	3.1 B	2.4 B	0.92 B	ND	ND
Magnesium	35,000	3,500	2,860	3,570	3,490	2940	3,530	3,540	2,990	3,440
Manganese	300	***1,050***	***862***	***1,610***	***1,010***	***819 E***	***1,560***	***882***	73.9 E	***1,790***
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	1.3 B	0.6 B	ND	1.1 B	0.81 B	ND	0.96 B	ND	ND
Potassium	NC	2,000	1,930	2,250	1,990	1990	2,320	2,000	2020	2,290
Selenium	10	ND	6 B	ND	ND	ND	ND	ND	ND	ND
Silver	50	1.8 B	2.8 B	0.98 B	1.6 B	3.1 B	ND	1.3 B	3.4 B	0.64 B
Sodium	20,000	18,500	15,800	19,000	18,100	16,200 E	19,500	18,300	16,800 E	17,700
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	0.78 B	0.79 B	ND	ND	0.88 B	1.1 B	0.7 B	0.42 B	ND
Zinc	2,000	22.4 B	22.8 B	22.3 B	15.6 B	27.4 B	21 B	21.5 B	14 B	16.4 B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 4
DZUS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location	NYSDEC	Lake Capri		Lake Capri		Lake Capri		Willetts Creek		Willetts Creek		Willetts Creek		Willetts Creek		Willetts Creek	
Sample ID	Class A	SW-4		SW-4		SW-4		SW-5		SW-5		SW-5		SW-6		SW-6		SW-6	
Laboratory ID	Surface Water	E0868-07A		F1194-06A		G2136-15		E0868-09A		F1193-18A		G2114-20		E0868-11A		F1194-08A		G2114-16	
Sample Date	Criteria	6/21/06		8/23/07		11/14/08		6/21/06		8/23/07		11/12/08		6/21/06		8/23/07		11/12/08	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	ND		ND		ND		15.3	B	ND		ND		40.5	B	ND		190	B
Antimony	3	ND		ND		ND		1.5	B	***4.4***	***B***	ND		ND		***8***	***B***	ND	
Arsenic	50	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Barium	1,000	5.7	B	14	B	31.9	B	36.9	B	36.4	B	26.2	B	35.5	B	40.6	B	37.7	B
Beryllium	3	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cadmium	5	0.89	B	0.77	B	0.63	B	***5.7***		***5.6***		3	B	0.55	B	2.8	B	***75.4***	
Calcium	NC	14,600		12,900		14,000		14,400		16,100		12,500		26,700		27,200		20,100	
Chromium	50	ND		0.88	B	ND		ND		0.39	B	ND		0.99	B	0.88	B	7.2	B
Cobalt	NC	0.37	B	1.2	B	ND		0.82	B	1.9	BE	ND		3.1	B	2.8	B	ND	
Copper	200	11.7	B	4.9	B	ND		ND		1.7	B	ND		ND		2.8	B	ND	
Iron	300	***610***		***609***		***741***		***632***		***599***		***1,060***		***5,400***		***2,170***		***4,010***	
Lead	50	ND		2.2	B	ND		ND		ND		ND		ND		2.5	B	9.8	B
Magnesium	35,000	3,510		2,950		3,490		3,550		3,420		3,100		5,130		5,290		4,080	
Manganese	300	***786***		135	E	***1,630***		***1,420***		***1,110***		***956***		***2,610***		***1,510***	***E***	***1,040***	
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	0.6	B	ND		ND		0.98	B	0.85	B	ND		1.4	B	1.5	B	ND	
Potassium	NC	1,950		2,040		2,310		2,080		2,040		1,780		2,230		2,480		2,830	
Selenium	10	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Silver	50	ND		2.8	B	ND		ND		3.1	B	ND		ND		5.9	B	ND	
Sodium	20,000	18,100		16,600	E	17,800		***21,100***		***21,800***		18,100		***29,200***		***33,600***	E	***26,000***	
Thallium	0.5	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	NC	ND		ND		ND		ND		ND		0.99	B	1.1	B	0.63	B	1.6	B
Zinc	2,000	20.2	B	18	B	9.7	B	22	B	21.2	B	10.4	B	35.6	B	32.2	B	48.2	B

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits

TABLE 5
DUZS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

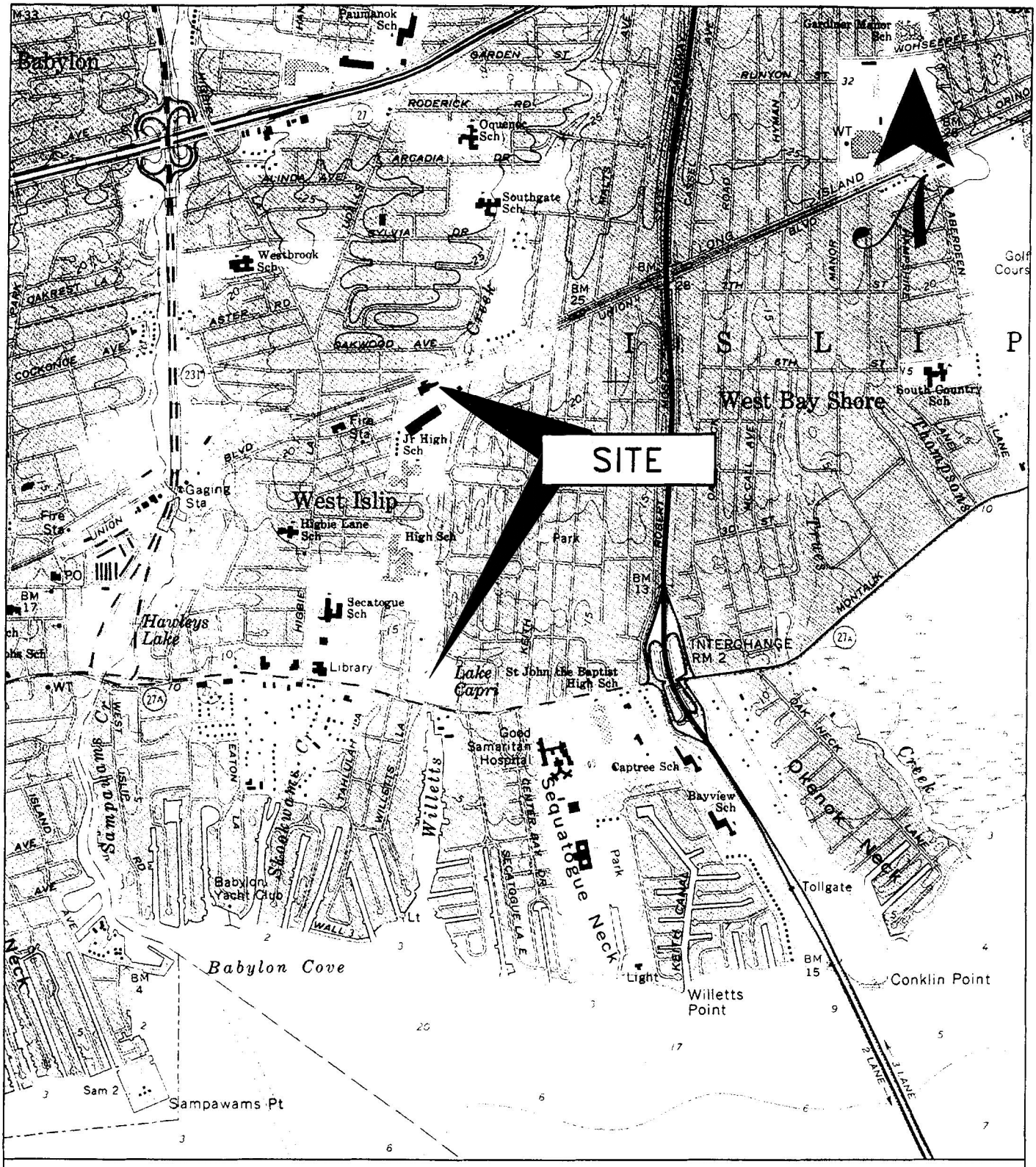
Sample Location	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri		Lake Capri		Lake Capri		Lake Capri		Lake Capri		Lake Capri		Lake Capri		Lake Capri	
Sample ID			SED-1		SED-1		SED-1		SED-2		SED-2		SED-2		SED-3		SED-3		SED-3	
Laboratory ID			E0868-02A		F1193-19A		G2136-10		E0868-04A		F1194-01A		G2136-08		E0868-06A		F1194-03A		G2136-14	
Sample Date			6/21/06		8/23/07		11/14/08		6/21/06		8/23/07		11/14/08		6/21/06		8/23/07		11/14/08	
Units	Lowest Effect	Highest Effect	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
			conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	NC	5,020		895		7630	*	15,500		1,850		2,800	*	690		2,010		5,860	*
Antimony	2.0	25	0.7	B	0.41	B	***2.2***	BN	0.92	B	0.82	B	0.19	BN	ND		0.35	B	0.63	BN
Arsenic	6.0	33	***7.9***		1.5		***8.7***		***19.7***		2	B	1.8		0.31	B	3.1		4.2	B
Barium	NC	NC	81.2		31.9		67.7	B*E	89.8		57.9		40.8	*E	6.7		29.7		88.2	*E
Beryllium	NC	NC	0.5	B	0.074	B	0.64	B	1.2		0.16	B	0.16	B	0.047	B	0.18	B	0.3	B
Cadmium	0.6	9	***47.8***		***11.6***		***61.4***	N*E	***133***		***21.2***		***12.5***	N*E	***1.5***		***27.7***		***1.7***	N*E
Calcium	NC	NC	2,540		646		3,140	*	2,860		1,320		1,400	*	104		605		11,700	*
Chromium	26	110	20.7		2.8		***27.1***	E	***33.7***		7.7		6.5	E	1.5		7.9		9.6	E
Cobalt	NC	NC	7.6		3.7		20.2	E	12.1		8.1		3	BE	0.66	B	4.7		12.6	E
Copper	16	110	***38.6***		***86.3***		***65.7***		***210***		***19.6***		15.6		2.7		***16.7***		***32.4***	
Iron	20,000	20,000	10,300		3,880		19,700	E	***20,300***		8,940		3,850	E	920		5,730		10,900	E
Lead	31	110	***170***		19.3		***176***	N*E	***315***		***40.7***		25.8	N*E	9.2		***44.2***		***34***	N*E
Magnesium	NC	NC	1,300		217		1,260	*E	1,510		404		305	*E	121		326		4,200	*E
Manganese	460	1,100	***1,290***		***1,200***		181	*	153		***1,300***		***769***	*	89.8		***568***		***908***	*
Mercury	0.15	1.3	***0.21***		0.0071	B	***0.34***		***0.45***		0.047	BN	0.018	B	0.016	B	0.049	BN	0.074	B
Nickel	16	50	11.4		3		***19.4***		***17.6***		6.8	E	3.2	B	1.6	B	5	E	8.5	B
Potassium	NC	NC	514		91.9		465	*	555		200	E	123	*	115		168	E	1,010	*
Selenium	NC	NC	1.6	B	0.64	B	ND		2.2	B	1.2	B	ND		0.2	B	1.2	B	ND	
Silver	1.0	2.2	ND		ND		ND		0.33	B	ND		ND		ND		ND		ND	
Sodium	NC	NC	117		44.2	B	136	B	143		92.5	B	46.5	B	13.7	B	51.5	B	528	
Thallium	NC	NC	5.8		ND		ND		0.39	B	ND		ND		0.33	B	ND		ND	
Vanadium	NC	NC	29.4		5.1		39.9	E	55.9		11.9		5.8	E	1.8		9.5		36.4	E
Zinc	120	270	***215***		71.6		***445***	*E	***402***		***138***		67.9	*E	10		110		71.3	*E

NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limts

TABLE 5
DUZS FASTENERS SITE (1-52-033)
JUNE 2006, AUGUST 2007 AND NOVEMBER 2008 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location			Lake Capri		Lake Capri		Lake Capri		Willetts Creek		Willetts Creek		Willetts Creek		Willetts Creek		Willetts Creek		Willetts Creek	
Sample ID	NYSDEC Technical		SED-4		SED-4		SED-4		SED-5		SED-5		DSED-5		SED-6		SED-6		DSED-6	
Laboratory ID	Guidance for		E0868-08A		F1194-05A		G2136-16		E0868-10A		F1193-17A		G2114-21		E0868-12A		F1194-07A		G2114-17	
Sample Date	Sediment Criteria		6/21/06		8/23/07		11/14/08		6/21/06		8/23/07		11/14/08		6/21/06		8/23/07		11/14/08	
Units	Lowest Effect	Highest Effect	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q	mg/kg conc.	Q
Aluminum	NC	NC	2,730		3,290		1,790	*	1,060		552		5,150		1,030		775		7,700	
Antimony	2.0	25	0.22	B	0.76	B	0.42	BN	0.074	B	0.27	B	1.1	BN	0.076		0.38	B	***2.6***	N
Arsenic	6.0	33	3.4		4		3.9		0.6	B	0.52	B	***8.2***		0.97		0.84	B	***6.4***	
Barium	NC	NC	41.5		47.8		177	*E	12.1		13.6		96.6		7.4		4.7	B	89.7	
Beryllium	NC	NC	0.2	B	0.22	B	0.13	B	0.083	B	0.03	B	0.34	B	0.094		0.049	B	0.36	B
Cadmium	0.6	9	***32.3***		***32.3***		***15.8***	N*E	0.43		***1.6***		***52***		0.23		0.31		***101***	
Calcium	NC	NC	588		1,240		8,090	*	228		1,430		4,150		4,760		599		7,690	
Chromium	26	110	8.6		12.5		6.8	E	3.8		2.7		***33.3***		2.4		3.4		***41.8***	
Cobalt	NC	NC	4.9		10		7	E	1.2	B	1.1	B	7.8		1.8		0.77	B	8.1	
Copper	16	110	***21.6***		***35.7***		***17.1***		4.7		4.7		***103***		***28.3***		6.3		***77.3***	
Iron	20,000	20,000	4,450		9,330		7,280	E	3,400		3,410		***23,900***		3,290		2,900		***25,600***	
Lead	31	110	***71.2***		***193***		***34.3***	N*E	7.9		4.9		***215***	E	7.9		10.3		***109***	E
Magnesium	NC	NC	352		519		653	*E	604		864		1,370		2,930		468		1,980	
Manganese	460	1,100	***837***		***845***		***11,700***	*	174		291		***2,140***		102		30.4		***978***	
Mercury	0.15	1.3	0.096		0.059	BN	***0.21***		0.016	B	0.0055	B	***0.48***		0.036	B	0.0063	UN	***0.15***	
Nickel	16	50	6		10.7	E	6.3		1.6		1	B	***19.2***		1.8		1.9	BE	***17.2***	
Potassium	NC	NC	145		236	E	281	*	135		58.3		320		118		122	E	528	
Selenium	NC	NC	0.76	B	1.9	B	3.3		0.28	B	0.56	B	ND		ND		0.69	B	ND	
Silver	1.0	2.2	ND		ND		***1.1***	B	ND		ND		ND		ND		ND		ND	
Sodium	NC	NC	35.4	B	87		131		18.3	B	102		204		24.9	B	70.7		414	
Thallium	NC	NC	3.7		ND		2.8		0.56	B	ND		2.1	B	0.25	B	0.36	B	0.98	B
Vanadium	NC	NC	9.2		16.9		7.4	E	5.6		4.5		54.2		9.9		6		42.4	
Zinc	120	270	***122***		***186***		110	*E	13.2		26.2		***290***	E	17.2		24.2		***409***	E

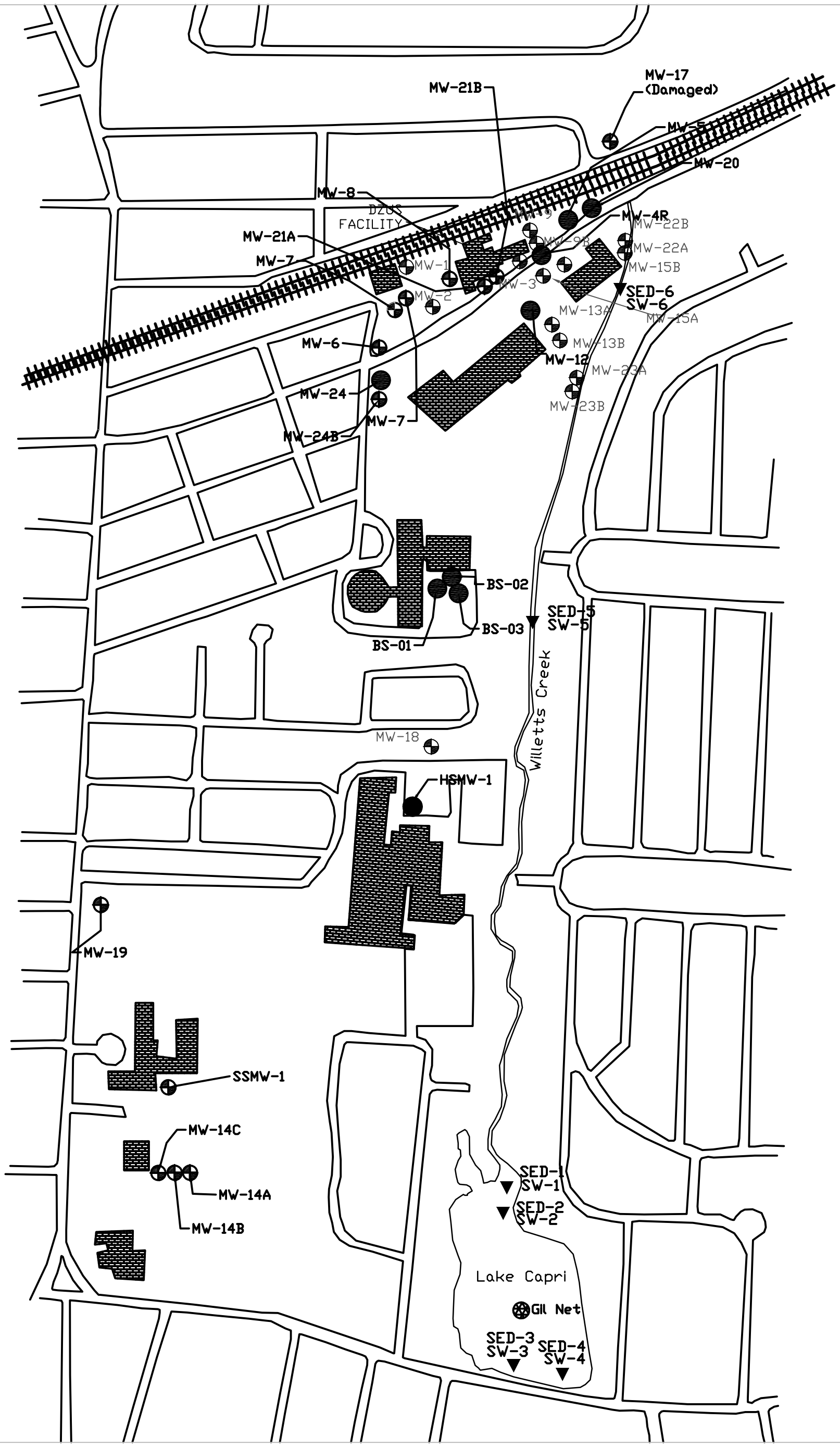
NC - No Criteria
ND - Not Detected
B - Estimated value
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limts



PORTION OF MAP 34 OF 39 SUFFOLK COUNTY LAST AMENDMENT DATE 10-12-94
BAY SHORE WEST, NY QUADRANGLE. SCALE 1"=2000'

EarthTech

FIGURE 1
SITE LOCATION MAP
DZUS FASTENER SITE
LAKE CAPRI/ WILLETTS CREEK



LEGEND:

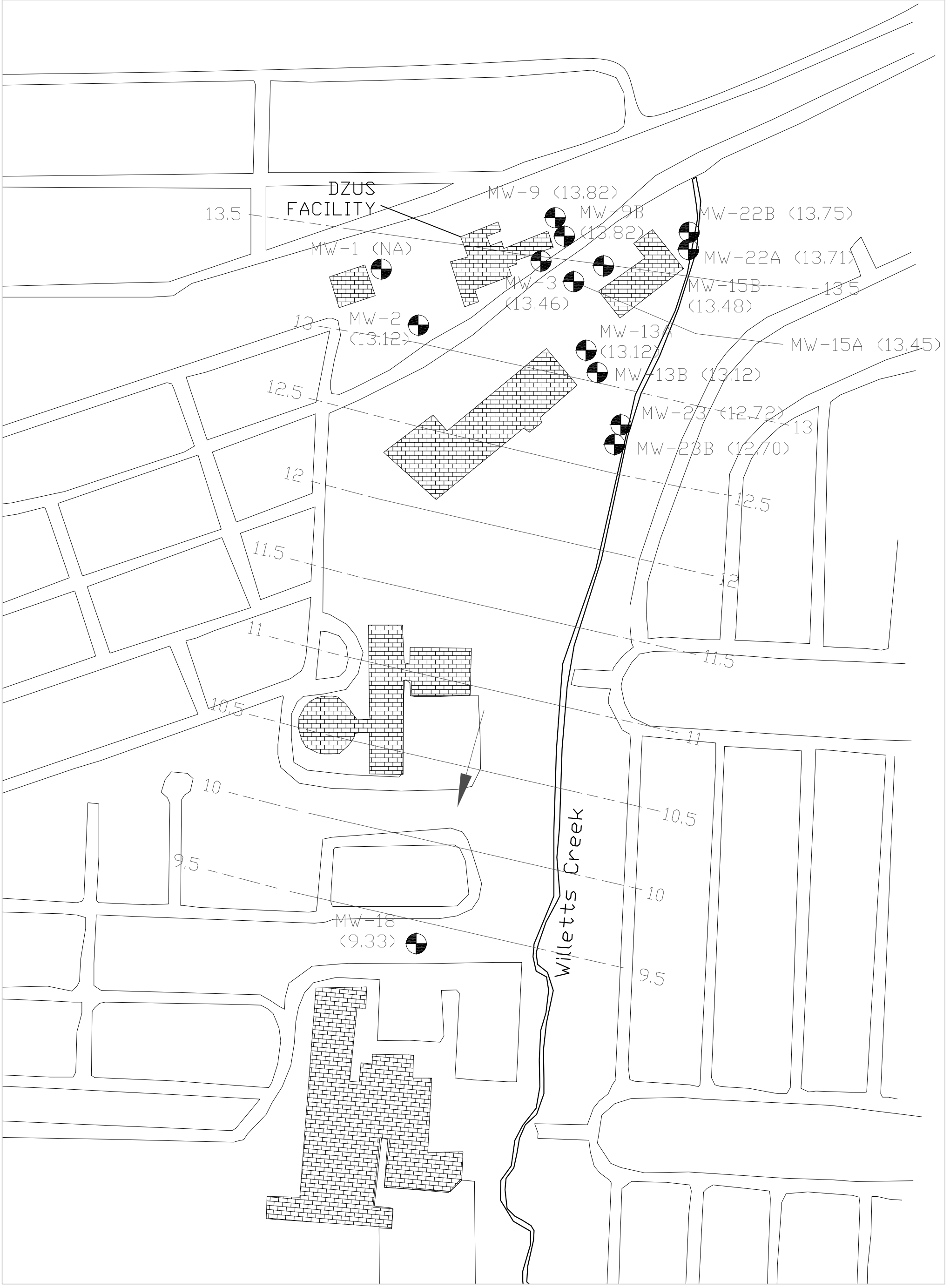
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK	MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033		
DRAWN BY : VM	**SITE PLAN**		
APPROVED BY : PK	DATE : NOVEMBER 2008	SCALE : AS SHOWN	DRAWING NO. : 2



LEGEND:

MW-14 — EXISTING MONITORING WELLS

(53.9) — GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL

- -53.9 - - — GROUNDWATER ISOPLETH CONTOUR INTERVAL - 0.5 ft

→ DIRECTION OF GROUNDWATER FLOW

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK	MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033
DRAWN BY : VM	**GROUNDWATER CONTOUR MAP NOVEMBER 11, 2008**
APPROVED BY : PK	DATE : NOVEMBER 2008 / SCALE : AS SHOWN / DRAWING NO. : 3

MW-9B			
Compound	June 06	Aug 07	Nov 08
Antimony	1.8 B	**4.6 B**	ND
Iron	**561**	**429**	134 B
Manganese	211	**306**	171

MW-9			
Compound	June 06	Aug 07	Nov 08
Arsenic	**32.6**	16.2 B	ND
Cadmium	**32.8**	**22.4**	**15.5**
Chromium	**125**	**62.2**	35.3
Iron	**21,600**	**12,400**	**3,670**
Sodium	**25,500**	**52,100**	16,100

MW-22B			
Compound	June 06	Aug 07	Nov 08
Antimony	ND	**4.7 B**	ND
Cadmium	**29 B**	4.4 B	1.2 B
Iron	**4,600**	**1,120**	**518**
Manganese	**2,310**	**2,440**	**775**
Thallium	**20.1 B**	**3.5 B**	ND

MW-1			
Compound	June 06	Aug 07	Nov 08
Cadmium	**23.9**	**5.1**	NA
Iron	**13,200**	**12,600**	NA
Sodium	**22,500**	**23,100**	NA
Thallium	**1.9 B**	**5.5 B**	NA

MW-22A			
Compound	June 06	Aug 07	Nov 08
Antimony	1.7 B	**5.2 B**	ND
Cadmium	**38.9**	**22.1**	**13.5**
Iron	**70,400**	**22,400**	**22,000**
Manganese	**1,280**	**1,190**	**1,030**
Sodium	**95,200**	**69,400**	**39,900**
Thallium	ND	**2.8 B**	ND

MW-2			
Compound	June 06	Aug 07	Nov 08
Antimony	ND	**7.3 B**	ND
Cadmium	4.2 B	**8.6**	2.7 B
Iron	**14,900**	**25,200**	**23,300**
Manganese	**518**	**989**	**2,150**
Sodium	**21,500**	**66,200**	18,600
Thallium	**2.3 B**	**6.3 B**	ND

MW-15B			
Compound	June 06	Aug 07	Nov 08
Iron	**4,780**	**1,320**	**875**
Sodium	**46,600**	**45,200**	**43,900**
Thallium	**3 B**	ND	ND

MW-15A			
Compound	June 06	Aug 07	Nov 08
Cadmium	**28.8**	**29.1**	**33.9**
Iron	**2,320**	158 B	ND
Manganese	**370**	**929**	**895**
Thallium	**1.9 B**	ND	ND

MW-13B			
Compound	June 06	Aug 07	Nov 08
Cadmium	**15**	**9.8**	2.3 B
Iron	**614**	**404**	106 B
Manganese	**621**	**426**	153

MW-3			
Compound	June 06	Aug 07	Nov 08
Cadmium	**77.4**	**74.4**	**70.8**
Iron	**4,430**	**649**	253
Manganese	**423**	**301**	262
Sodium	**27,700**	**31,100**	**25,000**
Thallium	**2.5 B**	ND	ND

MW-23A			
Compound	June 06	Aug 07	Nov 08
Antimony	1.8 B	**5.8 B**	ND
Cadmium	**110**	**702**	**1,080**
Iron	**10,300**	**29,700**	**13,100**
Manganese	**1,100**	**612**	**1,390**
Sodium	**60,200**	**32,400**	**37,800**
Thallium	**9.3 B**	ND	ND

MW-13A			
Compound	June 06	Aug 07	Nov 08
Cadmium	**174**	**94.1**	**67.7**
Iron	**12,700**	**3,490**	**300**
Manganese	**9,560**	**8,040**	**16,400**
Sodium	**94,500**	**77,500**	**21,700**
Thallium	**44**	ND	**11.7 B**

MW-23B			
Compound	June 06	Aug 07	Nov 08
Antimony	**3.2 B**	ND	ND
Cadmium	**320**	**60**	**42.2**
Chromium	**74.9**	13.9 B	4.3 B
Iron	**8,220**	**2,140**	**1,270**
Lead	**35.7**	10.3	17.7
Manganese	**548**	**508**	52.1
Thallium	**3.1 B**	ND	ND

MW-18			
Compound	June 06	Aug 07	Nov 08
Antimony	ND	ND	**5.1 B**
Cadmium	3 B	1.2 B	**9.8**
Iron	**1,150**	**1,320**	114 B
Manganese	**6,270**	**4,490**	**2,870**
Thallium	**26.5**	ND	ND

DZUS FACILITY

MW-9 MW-9B MW-22B MW-22A MW-1 MW-3 MW-15B MW-2 MW-15A MW-13A MW-13B MW-23A MW-23B MW-18

Willetts Creek

LEGEND:

MW-14 — EXISTING MONITORING WELLS

ALL CONCENTRATIONS IN µG/L

BOLD RESULTS EXCEED CRITERION

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK

DRAWN BY : VM

APPROVED BY : PK

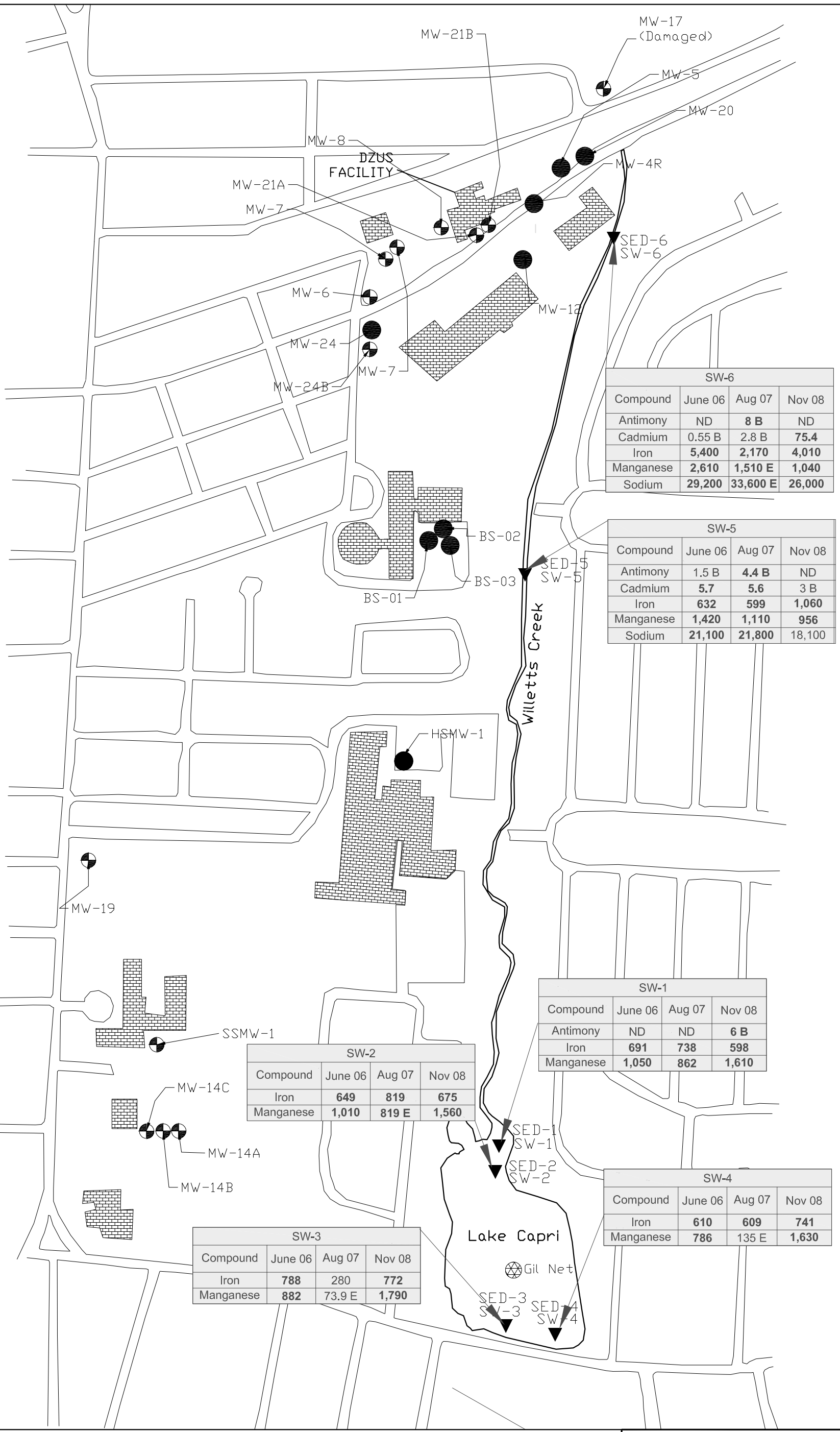
MULTI SITE G - Dzus Fasteners
SITE NO. 1-52-033

SUMMARY OF TAL METALS IN GROUNDWATER

DATE : NOVEMBER 2008

SCALE : AS SHOWN

DRAWING NO. : 4



SW-6			
Compound	June 06	Aug 07	Nov 08
Antimony	ND	**8 B**	ND
Cadmium	0.55 B	2.8 B	**75.4**
Iron	**5,400**	**2,170**	**4,010**
Manganese	**2,610**	**1,510 E**	**1,040**
Sodium	**29,200**	**33,600 E**	**26,000**

SW-5			
Compound	June 06	Aug 07	Nov 08
Antimony	1.5 B	**4.4 B**	ND
Cadmium	**5.7**	**5.6**	3 B
Iron	**632**	**599**	**1,060**
Manganese	**1,420**	**1,110**	**956**
Sodium	**21,100**	**21,800**	18,100

SW-1			
Compound	June 06	Aug 07	Nov 08
Antimony	ND	ND	**6 B**
Iron	**691**	**738**	**598**
Manganese	**1,050**	**862**	**1,610**

SW-2			
Compound	June 06	Aug 07	Nov 08
Iron	**649**	**819**	**675**
Manganese	**1,010**	**819 E**	**1,560**

SW-4			
Compound	June 06	Aug 07	Nov 08
Iron	**610**	**609**	**741**
Manganese	**786**	135 E	**1,630**

SW-3			
Compound	June 06	Aug 07	Nov 08
Iron	**788**	280	**772**
Manganese	**882**	73.9 E	**1,790**

LEGEND:

MW-14 — EXISTING MONITORING WELLS

ALL CONCENTRATIONS IN µG/L

BOLD RESULTS EXCEED CRITERION

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK

DRAWN BY : VM

APPROVED BY : PK

MULTI SITE G - Dzus Fasteners
SITE NO. 1-52-033

SUMMARY OF TAL METALS IN SURFACE WATER

DATE : NOVEMBER 2008

SCALE : AS SHOWN

DRAWING NO. : 5

DZUS FACILITY

Willetts Creek

Lake Capri

Gil Net

SED-1
SW-1

SED-2
SW-2

SED-3
SW-3

SED-4
SW-4

SED-5
SW-5

SED-6
SW-6

SED-6			
Compound	June 06	Aug 07	Nov 08
Antimony	0.076	0.38 B	**2.6 N**
Arsenic	0.97	0.84 B	**6.4**
Cadmium	0.23	0.31	**101**
Chromium	2.4	3.4	**41.8**
Copper	**28.3**	6.3	**77.3**
Lead	7.9	10.3	**109 E**
Manganese	102	30.4	**978**
Mercury	0.036 B	0.0063	**0.15**
Nickel	1.8	1.9 BE	**17.2**
Zinc	17.2	24.2	**409 E**

SED-5			
Compound	June 06	Aug 07	Nov 08
Arsenic	0.6 B	0.52 B	**8.2**
Cadmium	0.43	**1.6**	**52**
Chromium	3.8	2.7	**33.3**
Copper	4.7	4.7	**103**
Lead	7.9	4.9	**215 E**
Manganese	174	291	**2,140**
Mercury	0.016 B	0.0055 B	**0.48**
Nickel	1.6	1 B	**19.2**
Zinc	13.2	26.2	**290 E**

SED-1			
Compound	June 06	Aug 07	Nov 08
Antimony	0.7 B	0.41 B	**2.2 BN**
Arsenic	**7.9**	1.5	**8.7**
Cadmium	**47.8**	**11.6**	**61.4 N*E**
Copper	**38.6**	**86.3**	**65.7**
Lead	**170**	19.3	**176 N*E**
Manganese	**1,290**	**1,200**	181 *
Mercury	**0.21**	0.0071 B	**0.34**
Nickel	11.4	3	**19.4**
Zinc	**215**	71.6	**445 *E**

SED-2			
Compound	June 06	Aug 07	Nov 08
Arsenic	**19.7**	2 B	1.8 BN
Cadmium	**133**	**21.2**	**12.5 N*E**
Chromium	**33.7**	7.7	6.5 E
Copper	**210**	**19.6**	15.6
Iron	**20,300**	8,940	3,850 E
Lead	**315**	**40.7**	25.8 N*E
Manganese	153	**1,300**	**769***
Mercury	**0.45**	0.047	0.018 B
Nickel	**17.6**	6.8 E	3.2 B
Zinc	**402**	**138**	67.9*E

SED-3			
Compound	June 06	Aug 07	Nov 08
Cadmium	**1.5**	**27.7**	**1.7 N*E**
Copper	2.7	**16.7**	**32.4 N*E**
Lead	9.2	**44.2**	**34 N*E**
Manganese	89.8	**568**	**908 ***

SED-4			
Compound	June 06	Aug 07	Nov 08
Cadmium	**32.3**	**32.3**	**15.8 N*E**
Copper	**21.6**	**35.7**	**17.1**
Lead	**71.2**	**193**	**34.3 N*E**
Manganese	**837**	**845**	**11,700 ***
Mercury	0.096	0.059	**0.21**
Silver	ND	ND	**1.1 B**
Zinc	**122**	**186**	110 *E

LEGEND:

MW-14 — EXISTING MONITORING WELLS

ALL CONCENTRATIONS IN µG/L

BOLD RESULTS EXCEED CRITERION

GRAPHIC SCALE

50 0 50 100 150

Prepared by : EARTH TECH

SUBMITTED BY : PK

DRAWN BY : VM

APPROVED BY : PK

MULTI SITE G - Dzus Fasteners
SITE NO. 1-52-033

SUMMARY OF TAL METALS IN SEDIMENT

DATE : NOVEMBER 2008

SCALE : AS SHOWN

DRAWING NO. : 6

APPENDIX A

MONITORING WELL AND SURFACE WATER SAMPLING FORMS

Earth Tech | AECOM

WELL NO. MW- 1

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : Gallons WELL TD: ft PUMP INTAKE DEPTH: ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
									Static water level
									pump on
									Well was destroyed during snow
									removal in December 2007

Pump Type:

Analytical Parameters:

Earth Tech | AECOM

WELL NO. MW- 2

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.0 Gallons WELL TD: 14.3 ft PUMP INTAKE DEPTH: 13.5 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
11:50	8.30								Static water level
12:30	8.30	0.3	15.89	289	9.52	6.81	-82	342	pump on
12:35	8.40		14.89	300	7.5	6.8	-110	661	
12:40	8.42		15.9	348	7.9	6.7	-116	41	
12:45	8.42	0.3	16	325	7.62	6.7	-123	18	
12:50									Collect sample DMW-2

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 3

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.4 Gallons WELL TD: 15.0 ft PUMP INTAKE DEPTH: 12.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
14:45	6.25								Static water level
14:55	6.25	0.4	20.1	199	9.58	6.12	93	16	Pump on
15:00	6.25		22	238	8.98	6.07	82	24	
15:05	6.25		21.9	245	8.9	6.06	97	16	Purged 6 gal
15:10	6.25	0.4	21.95	250	8.95	6.07	97	10	
15:15									Collect sample DMW-3
									Duplicate DMW-53

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: VOCs, TAL metals

Earth Tech | AECOM

WELL NO. MW- 9

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.1 Gallons WELL TD: 11.5 ft PUMP INTAKE DEPTH: 10.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
13:40	5.01								Static water level
13:50	5.08	0.3	19.42	287	9	6.66	-66	51	Pump on
13:55	5.08		19.4	323	8.26	6.68	-92	525	
14:00	5.12		22.3	176	8.23	6.31	-70	191	
14:05	5.12	0.3	22.14	177	9.37	6.28	-60	42	Purged approx 5 gal
14:10									Collect sample DMW-9

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 9B

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 6.4 Gallons WELL TD: 44.5 ft PUMP INTAKE DEPTH: 10.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	4.93								Static water level
14:20	5.05	1.7	22.28	285	8.96	6.46	10.6	37	Pump on
14:25	5.08		16.8	141	10.1	6.19	32	6	
14:30	5.12		15.28	139	8.93	6.03	74	5	
14:35	5.12	1.5	16.12	141	9.22	5.98	86	1	Purged approx 25 gal
14:40									Collect sample DMW-9B

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 13A

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.3 Gallons WELL TD: 10.7 ft PUMP INTAKE DEPTH: 6.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
11:40	2.90								Static water level
11:50	2.90	0.3	19.58	310	8.7	6.99	21	42	Pump on
11:55	2.93		21.9	374	8.5	6.92	26	108	
12:00	2.93		21.8	355	8.26	7	44	300	
12:05	2.93	0.3	21.9	348	7.82	7.02	48	310	Purged approx 5 gal
12:10									Collect sample DMW-13A

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: VOCs, TAL metals

Earth Tech | AECOM

WELL NO. MW- 13B

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 6.8 Gallons WELL TD: 44.3 ft PUMP INTAKE DEPTH: 6.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS: Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
11:40	2.73								Static water level
12:20	2.73	1	20.71	224	8.67	6.74	76	13	Pump on
12:25	2.80		18	176	9.28	5.98	106	5	
12:30	2.80		17.9	177	9.2	5.8	127	9	
12:35	2.80		18.17	181	9.28	5.81	135	11	Purged approx 22 gal
12:40	2.80	1	19	184	9.58	5.82	137	11	
12:45									Collect sample DMW-13B

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 15A

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 3.8 Gallons WELL TD: 28.8 ft PUMP INTAKE DEPTH: 11.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
07:25	5.66								Static water level
08:55	5.68	1.6	18.5	293	9.86	5.92	25	12	Pump on
09:00	5.70		21.5	179	9.46	6.09	64	40	
9:05	5.70		22	192	9.45	6.25	34	1	
9:10	5.70		21	186	9.81	6.16	100	1	Purged approx 12 gal
9:15	5.70	1.6	20.8	185	9.35	6.08	108	3	
9:20									Collect sample DMW-15A

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: VOCs, TAL metals

Earth Tech | AECOM

WELL NO. MW- 15B

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 12.9 Gallons WELL TD: 84.7 ft PUMP INTAKE DEPTH: 9.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
7:25	5.62								Static water level
8:10	5.69	0.6	11.01	267	11.8	7.2	42	20	Pump on
8:15	6.85		15.63	345	10.05	5.77	77	6	
8:20	7.10		15.92	356	9.67	5.59	102	5	
8:25	7.10		14.26	350	9.5	5.54	91	11	Purged approx 40 gal
8:30	7.08		15.35	347	9.31	5.61	94	9	
8:35	7.88	0.6	15.12	342	9.61	5.52	93	1	
8:40									Collect sample DMW-15B

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 18

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/11/08	DATE WELL COMPLETED: 11/11/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.4 Gallons WELL TD: 13.5 ft PUMP INTAKE DEPTH: 9.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
15:55	4.98								Static water level
16:00	5.00	0.3	20.9	250	9.22	6.64	33	29	Pump on
16:05	5.03		22.5	214	9.42	6.55	58	86	
16:10	5.03		22.63	203	9.3	6.55	88	10	
16:15	5.03	0.3	23	209	8.28	6.6	91	7	Purged approx 5 gal
16:20									Collect sample DMW-18

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 22A

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.3 Gallons WELL TD: 14.4 ft PUMP INTAKE DEPTH: 11.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
09:50	6.4								Static water level
10:10	6.4	0.3	18.93	374	10.04	6.53	27	210	Pump on
10:15	6.48		21	481	9.24	6.55	-37	170	
10:20	6.6		22.2	483	9.08	6.67	-58	40	
10:25	6.58	0.3	21.87	504	8.84	6.65	-72	19	Purged approx 5 gal
10:30									Collect sample DMW-22A
									MS/MSD
									Duplicate DMW-72

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 22B

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 6.2 Gallons WELL TD: 44.5 ft PUMP INTAKE DEPTH: 10.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
09:50	6.23								Static water level
10:40	6.22	1	21.6	348	9.1	7.06	-105	49	Pump on
10:45	6.31		18.25	258	9.63	7.01	-84	23	
10:50	6.31		16.7	251	8.5	6.36	23	10	
10:55	6.31		17	253	8.7	6.31	58	3	Purged approx 20 gal
11:00	6.31	1	17.14	254	9.2	6.35	62	6	
11:05									Collect sample DMW-22B

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 23A

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 1.6 Gallons WELL TD: 14.3 ft PUMP INTAKE DEPTH: 10.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
13:05	4.64								Static water level
13:20	4.64	0.4	20.16	252	8.75	6.27	49	10	Pump on
13:25	4.7		22	513	8.12	6.54	-43	27	
13:30	4.7		22.5	580	8.18	6.69	-70	40	
13:35	4.7	0.4	23.4	618	8.02	6.72	-83	60	Purged approx 6 gal
13:40									Collect sample DMW-23A

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

WELL NO. MW- 23B

WELL SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : 6.5 Gallons WELL TD: 44.5 ft PUMP INTAKE DEPTH: 10.0 ft

Time	Depth to Water (ft)	Purge Rate (gal/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
13:05	4.58								Static water level
13:50	4.58	1	21.86	450	8.23	6.74	-53	33	Pump on
13:55	4.70		22.08	112	9	7.07	-85	24	
14:00	4.75		28.38	201	9.21	6.34	-29	23	
14:05	4.75		17.2	213	8.74	5.9	50	41	Purged approx 20 gal
14:10	4.75	1	16.8	212	8.8	5.83	70	8	
14:15									Collect sample DMW-23B

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-1

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	8		13.45	185	12.13	6.42	95	12	
									40º 41.851 N
									73º 18.071 W
14:40									Collect sample SW-1
									Collected MS/MSD
									Duplicate SW-51 at 14:45
14:30									Collected sediment SED-1

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-2

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	8		13.89	196	11.44	6.59	89	9	
									40º 41.844 N
									73º 18.049 W
14:20									Collect surface water sample SW-2
14:10									Collect sediment sample SED-2

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-3

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS: Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
	8		13.75	189	11.59	6.13	100	25	
									40º 41.756 N
									73º 18.044 W
15:00									Collect surface water sample SW-3
15:10									Collect sediment sample SED-3

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-4

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/14/08	DATE WELL COMPLETED: 11/14/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	8		13.25	197	11.71	6.29	89	35	
									40º 41.735 N
									73º 17.985 W
15:20									Collect surface water sample SW-4
15:30									Collect sediment sample SED-4

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-5

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	3		10.91	196	9.41	6.88	11	1.6	
									40º 42.085 N
									73º 18.036 W
15:30									Collect surface water sample SW-5
15:40									Collect sediment sample SED-5

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

Earth Tech | AECOM

SURFACE WATER SAMPLE: SW-6

SURFACE WATER SAMPLING FORM	PROJECT: Multi Site G	PROJECT No.: 95900	SHEET: 1 OF 1 SHEETS
LOCATION: Dzus Fasteners, West Islip, NY #1-52-033		DATE WELL STARTED: 11/12/08	DATE WELL COMPLETED: 11/12/08
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: MA / SC	
SUBCONTRACTOR COMPANY:		SIGNATURE OF INSPECTOR:	

Time	Depth of Water (ft)	Purge Rate (mL/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (°C)	Conduct. (µs/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	1		11.97	316	5.2	6.5	-4	2.3	
14:30									Collect surface water sample SW-6
14:20									Collect sediment sample SED-6
									MS & MSD
									SED-56 (Duplicate) at 14:25
									40º 42.458 N
									73º 17.949 W

Pump Type: Dipped bottles into the water for collection, used a ponar dredge for sediment collection

Analytical Parameters: TAL metals

APPENDIX B

NYSDEC MONITORING WELL FIELD INSPECTION LOGS

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 12:00
WELL ID.: MW-01

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

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 18.10 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

	YES	
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: X

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount
PROTECTIVE CASING MATERIAL TYPE: SS
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6

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

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):
MEASURE WELL DIAMETER (Inches):
WELL CASING MATERIAL:
PHYSICAL CONDITION OF VISIBLE WELL CASING:
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.

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

Located in grassy area at the southwest corner of parking lot

Located near front of building on grassy area east of parking lot at building corner

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

REMARKS:

The well is broken (see picture). ET was informed by Dzus, that the well was apparently destroyed during snow removal operations in December 2007.

MONITORING WELL INSPECTION LOG

SKETCH

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 11:30
WELL ID.: MW-2

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

WELL COORDINATES? NYTM X 40º 42.49 NYTM Y 73º 18.10 See Report
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) Move back 30 ft		X

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

	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: Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount
PROTECTIVE CASING MATERIAL TYPE: SS
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): 14.3
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 8.3
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES yes

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.

Power line along Union Avenue, Accessible by truck mounted rig

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

Located in grassy area at the southwest corner of parking lot

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

REMARKS:

Needs new lock and well cap

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 10:30
WELL ID.: MW-3

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

WELL COORDINATES? NYTM X 40° 42.49 NYTM Y 73° 18.02 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount
PROTECTIVE CASING MATERIAL TYPE: SS
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): 15
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.25
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES -

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.

Accessible by truck, Power lines along Union Blvd

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

In a grassy area along Union blvd

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

-

REMARKS:

Needs new lock and well cap

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: MKC/SB

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 10:40
WELL ID.: MW-9

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

WELL COORDINATES? NYTM X 40° 42.50 NYTM Y 73° 18.02 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: N/A wrongly numbered on road

	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	11.5
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.01
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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.

Building corner

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

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

REMARKS:

Needs new lock and rubber cap

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 10:40
WELL ID.: MW-9B

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

WELL COORDINATES? NYTM X 40° 42.49 NYTM Y 73° 18.01 See Report
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) Move back 30 ft	X	

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

	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	44.5
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.93
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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.

Building corner

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

Located on side walk near parking lot on the east of building

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

N/A

REMARKS:

Needs new well cap (rubber), broken well cover needs to be replaced, missing screws.

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 9:20
WELL ID.: MW-13A

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

WELL COORDINATES? NYTM X 40° 42.44 NYTM Y 73° 17.100 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On pavement (spray paint)	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	10.72
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	2.90
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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

In parking lot, side of Long John silver (closed shop)

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.

Behind the building

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

-

REMARKS:

Needs new lock, well cap and casing cover

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 9:20
WELL ID.: MW-13B

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

WELL COORDINATES? NYTM X 40° 42.43 NYTM Y 73° 17.99 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On pavement (spray paint)	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	44.3
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	2.69
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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

In parking lot, side of Long John silver (closed shop)

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.

Behind the building

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

-

REMARKS:

Needs new lock, well cap and casing cover

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 9:10
WELL ID.: MW-15A

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

WELL COORDINATES? NYTM X 40° 42.49 NYTM Y 73° 17.97 See Report

PDOP Reading from Trimble pathfinder: Satelites:

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On pavement (spray paint)	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	28.8
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.64
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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.

Opposite to ACE hardware store in the parking lot on asphalt 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.

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

-

REMARKS:

Needs new lock and well cap

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 9:10
WELL ID.: MW-15B

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

WELL COORDINATES? NYTM X 40° 42.50 NYTM Y 73° 17.96 See Report

PDOP Reading from Trimble pathfinder: Satelites:

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On asphalt pavement (spray paint)	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: X

	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: Mini RAE 2000 0.0 PID

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount

PROTECTIVE CASING MATERIAL TYPE: SS

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): 84.70

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 5.58

MEASURE WELL DIAMETER (Inches): 2

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES -

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.

Opposite to ACE hardware store in the parking lot on asphalt 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.

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

-

REMARKS:

Needs new lock, well cap and screws for cover plate

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 09:45
WELL ID.: MW-18

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

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

	YES	NO
WELL I.D. VISIBLE? On pavement (spray paint)		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: X

	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: ..... Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) ..... Flushmount
PROTECTIVE CASING MATERIAL TYPE: ..... SS
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): 13.5
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 4.98
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: ..... PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... -
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES ..... -

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

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

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

REMARKS:
Needs new lock and well casing cover screws

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 8:55
WELL ID.: MW-22 A

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

WELL COORDINATES? NYTM X 40° 42.491 NYTM Y 73° 17.941 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount
PROTECTIVE CASING MATERIAL TYPE: SS
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): 14.40
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.38
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES -

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

In the grassy area next to blockbuster, accessible by drill rigs

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.

See above

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

-

REMARKS:

Needs new well cap and lock

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 8:55
WELL ID.: MW-22 B

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

WELL COORDINATES? NYTM X 40° 42.491 NYTM Y 73° 17.941 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

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

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

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000 0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount
PROTECTIVE CASING MATERIAL TYPE: SS
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): 44.50
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.2
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES -

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

In the grassy area next to blockbuster, accessible by drill rigs

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.

See above

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

-

REMARKS:

Needs new lock

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/111/08 9:15
WELL ID.: MW-23A

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

WELL COORDINATES? NYTM X 40° 42.402 NYTM Y 73° 17.991 See Report
PDOP Reading from Trimble pathfinder: Satelites:
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On asphalt pavement (spray paint)	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: Mini RAE 2000	0.0 PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	SS
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):	14.3
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.62
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

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

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

Behind the building

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

-

REMARKS:

Needs new lock and well cap

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033
INSPECTOR: SC/MA

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 11/11/08 9:15
WELL ID.: MW-23B

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

WELL COORDINATES? NYTM X 40° 42.403 NYTM Y 73° 17.987 Se See Report

PDOP Reading from Trimble pathfinder: Satelites:

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE? On asphalt pavement (spray paint)	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: X

	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: Mini RAE 2000 0.0 PID

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) Flushmount

PROTECTIVE CASING MATERIAL TYPE: SS

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): 44.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 4.59

MEASURE WELL DIAMETER (Inches): 2

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE -

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES -

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

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

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

-

REMARKS:

Needs new lock and well cap

APPENDIX C

DATA SUMMARY PACKAGES

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-2		MW-3		MW-9		MW-9B	
Sample ID	Class GA		DMW-2		DMW-3		DMW-9		DMW-9B	
laboratory ID	Groundwater	(destroyed)	G2114-01		G2114-04		G2114-02		G2114-03	
Sample Date	Criteria		11/11/08		11/11/08		11/11/08		11/11/08	
Matrix	water		water		water		water		water	
Units	µg/L		µg/L		µg/L		µg/L		µg/L	
			Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	5	NA	NA		5	U	NA		NA	
1,1,1-Trichloroethane	5	NA	NA		5	U	NA		NA	
1,1,2,2-Tetrachloroethane	5	NA	NA		5	U	NA		NA	
1,1,2-Trichloroethane	1	NA	NA		5	U	NA		NA	
1,1-Dichloroethane	5	NA	NA		5	U	NA		NA	
1,1-Dichloroethene	5	NA	NA		5	U	NA		NA	
1,1-Dichloropropene	5	NA	NA		5	U	NA		NA	
1,2,3-Trichlorobenzene	5	NA	NA		5	U	NA		NA	
1,2,3-Trichloropropane	0.04	NA	NA		5	U	NA		NA	
1,2,4-Trichlorobenzene	5	NA	NA		5	U	NA		NA	
1,2,4-Trimethylbenzene	5	NA	NA		5	U	NA		NA	
1,2-Dibromo-3-chloropropane	0.04	NA	NA		5	U	NA		NA	
1,2-Dibromoethane	NC	NA	NA		5	U	NA		NA	
1,2-Dichlorobenzene	3	NA	NA		5	U	NA		NA	
1,2-Dichloroethane	0.6	NA	NA		5	U	NA		NA	
1,2-Dichloropropane	1	NA	NA		5	U	NA		NA	
1,3,5-Trimethylbenzene	5	NA	NA		5	U	NA		NA	
1,3-Dichlorobenzene	3	NA	NA		5	U	NA		NA	
1,3-Dichloropropane	5	NA	NA		5	U	NA		NA	
1,4-Dichlorobenzene	3	NA	NA		5	U	NA		NA	
2,2-Dichloropropane	5	NA	NA		5	U	NA		NA	
2-Butanone	50	NA	NA		5	U	NA		NA	
2-Chlorotoluene	5	NA	NA		5	U	NA		NA	
2-Hexanone	50	NA	NA		5	U	NA		NA	
4-Chlorotoluene	5	NA	NA		5	U	NA		NA	
4-Isopropyltoluene	5	NA	NA		5	U	NA		NA	
4-Methyl-2-pentanone	50	NA	NA		5	U	NA		NA	
Acetone	50	NA	NA		5	U	NA		NA	
Benzene	1	NA	NA		5	U	NA		NA	
Bromobenzene	5	NA	NA		5	U	NA		NA	
Bromochloromethane	5	NA	NA		5	U	NA		NA	
Bromodichloromethane	50	NA	NA		5	U	NA		NA	
Bromoform	50	NA	NA		5	U	NA		NA	
Bromomethane	5	NA	NA		5	U	NA		NA	
Carbon disulfide	60	NA	NA		5	U	NA		NA	
Carbon tetrachloride	5	NA	NA		5	U	NA		NA	
Chlorobenzene	5	NA	NA		5	U	NA		NA	
Chloroethane	5	NA	NA		5	U	NA		NA	
Chloroform	7	NA	NA		5	U	NA		NA	
Chloromethane	NC	NA	NA		5	U	NA		NA	

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-2		MW-3		MW-9		MW-9B	
Sample ID	Class GA		DMW-2		DMW-3		DMW-9		DMW-9B	
laboratory ID	Groundwater	(destroyed)	G2114-01		G2114-04		G2114-02		G2114-03	
Sample Date	Criteria		11/11/08		11/11/08		11/11/08		11/11/08	
Matrix	water		water		water		water		water	
Units	µg/L		µg/L		µg/L		µg/L		µg/L	
			Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
cis-1,2-Dichloroethene	5	NA	NA		5	U	NA		NA	
cis-1,3-Dichloropropene	0.4	NA	NA		5	U	NA		NA	
Dibromochloromethane	50	NA	NA		5	U	NA		NA	
Dibromomethane	5	NA	NA		5	U	NA		NA	
Dichlorodifluoromethane	5	NA	NA		5	U	NA		NA	
Ethylbenzene	5	NA	NA		5	U	NA		NA	
Hexachlorobutadiene	0.5	NA	NA		5	U	NA		NA	
Iodomethane	NC	NA	NA		5	U	NA		NA	
Isopropylbenzene	5	NA	NA		5	U	NA		NA	
m,p-Xylene	5	NA	NA		5	U	NA		NA	
Methyl tert-butyl ether	10	NA	NA		5	U	NA		NA	
Methylene chloride	5	NA	NA		5	U	NA		NA	
n-Butylbenzene	5	NA	NA		5	U	NA		NA	
n-Propylbenzene	5	NA	NA		5	U	NA		NA	
Naphthalene	10	NA	NA		5	U	NA		NA	
o-Xylene	5	NA	NA		5	U	NA		NA	
sec-Butylbenzene	5	NA	NA		5	U	NA		NA	
Styrene	5	NA	NA		5	U	NA		NA	
tert-Butylbenzene	5	NA	NA		5	U	NA		NA	
Tetrachloroethene	5	NA	NA		5	U	NA		NA	
Toluene	5	NA	NA		5	U	NA		NA	
trans-1,2-Dichloroethene	5	NA	NA		5	U	NA		NA	
trans-1,3-Dichloropropene	0.4	NA	NA		5	U	NA		NA	
Trichloroethene	5	NA	NA		4.2	J	NA		NA	
Trichlorofluoromethane	5	NA	NA		5	U	NA		NA	
Vinyl acetate	NC	NA	NA		5	U	NA		NA	
Vinyl chloride	2	NA	NA		5	U	NA		NA	
Xylene (Total)	5	NA	NA		5	U	NA		NA	

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-2		MW-3		MW-9		MW-9B	
Sample ID	Class GA		DMW-2		DMW-3		DMW-9		DMW-9B	
laboratory ID	Groundwater	(destroyed)	G2114-01		G2114-04		G2114-02		G2114-03	
Sample Date	Criteria		11/11/08		11/11/08		11/11/08		11/11/08	
Matrix	water		water		water		water		water	
Units	µg/L		µg/L		µg/L		µg/L		µg/L	
			Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
TAL Metals										
Aluminum	NC	NA	242		314		611		56	U
Antimony	3	NA	4.6	U	4.6	U	4.6	U	4.6	U
Arsenic	25	NA	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	NA	38.7	B	28.3	B	30.2	B	27.1	B
Beryllium	3	NA	0.27	B	0.13	U	0.21	B	0.13	U
Cadmium	5	NA	2.7	B	70.8		15.5		0.23	B
Calcium	NC	NA	14,500		11,800		10,800		8,180	
Chromium	50	NA	1.1	U	1.1	U	35.3		1.1	U
Cobalt	NC	NA	13.8	B	1.2	U	1.5	B	1.2	U
Copper	200	NA	12.6	B	5	U	17.3	B	5	U
Iron	300	NA	23,300		253		3670		134	B
Lead	25	NA	5.2	B	2.7	B	5.9	B	2.2	U
Magnesium	35,000	NA	2,700		2,650		2,690		1,330	
Manganese	300	NA	2,150		262		62.6		171	
Mercury	0.7	NA	0.016	U	0.016	U	0.016	U	0.016	U
Nickel	100	NA	4.7	B	1.6	B	3.3	B	1.5	U
Potassium	NC	NA	1,880		1,420		1,720		1,940	
Selenium	10	NA	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	NA	0.59	U	0.59	U	0.59	U	0.59	U
Sodium	20,000	NA	18,600		25,000		16,100		11,800	
Thallium	0.5	NA	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	NA	0.96	U	0.96	U	5.5	B	0.96	U
Zinc	2,000	NA	64.3		26.2	B	55.9		35.3	B

Notes:
NC - No criterion
NA - Not analyzed
J - Estimated value, organics
U - Not detected
B - Estimated value, metals

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A	MW-13B	MW-15A	MW-15B	MW-18
Sample ID	Class GA	DMW-13A	DMW-13B	DMW-15A	DMW-15B	DMW-18
laboratory ID	Groundwater	G2114-12	G2114-13	G2114-08	G2114-07	G2114-06
Sample Date	Criteria	11/12/08	11/12/08	11/12/08	11/12/08	11/11/08
Matrix	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Conc. Q	Conc. Q	Conc. Q	Conc. Q	Conc. Q
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	5	5 U	NA	5 U	NA	NA
1,1,1-Trichloroethane	5	5 U	NA	5 U	NA	NA
1,1,2,2-Tetrachloroethane	5	5 U	NA	5 U	NA	NA
1,1,2-Trichloroethane	1	5 U	NA	5 U	NA	NA
1,1-Dichloroethane	5	5 U	NA	5 U	NA	NA
1,1-Dichloroethene	5	5 U	NA	5 U	NA	NA
1,1-Dichloropropene	5	5 U	NA	5 U	NA	NA
1,2,3-Trichlorobenzene	5	5 U	NA	5 U	NA	NA
1,2,3-Trichloropropane	0.04	5 U	NA	5 U	NA	NA
1,2,4-Trichlorobenzene	5	5 U	NA	5 U	NA	NA
1,2,4-Trimethylbenzene	5	5 U	NA	5 U	NA	NA
1,2-Dibromo-3-chloropropane	0.04	5 U	NA	5 U	NA	NA
1,2-Dibromoethane	NC	5 U	NA	5 U	NA	NA
1,2-Dichlorobenzene	3	5 U	NA	5 U	NA	NA
1,2-Dichloroethane	0.6	5 U	NA	5 U	NA	NA
1,2-Dichloropropane	1	5 U	NA	5 U	NA	NA
1,3,5-Trimethylbenzene	5	5 U	NA	5 U	NA	NA
1,3-Dichlorobenzene	3	5 U	NA	5 U	NA	NA
1,3-Dichloropropane	5	5 U	NA	5 U	NA	NA
1,4-Dichlorobenzene	3	5 U	NA	5 U	NA	NA
2,2-Dichloropropane	5	5 U	NA	5 U	NA	NA
2-Butanone	50	5 U	NA	5 U	NA	NA
2-Chlorotoluene	5	5 U	NA	5 U	NA	NA
2-Hexanone	50	5 U	NA	5 U	NA	NA
4-Chlorotoluene	5	5 U	NA	5 U	NA	NA
4-Isopropyltoluene	5	5 U	NA	5 U	NA	NA
4-Methyl-2-pentanone	50	5 U	NA	5 U	NA	NA
Acetone	50	5 U	NA	5 U	NA	NA
Benzene	1	5 U	NA	5 U	NA	NA
Bromobenzene	5	5 U	NA	5 U	NA	NA
Bromochloromethane	5	5 U	NA	5 U	NA	NA
Bromodichloromethane	50	5 U	NA	5 U	NA	NA
Bromoform	50	5 U	NA	5 U	NA	NA
Bromomethane	5	5 U	NA	5 U	NA	NA
Carbon disulfide	60	5 U	NA	5 U	NA	NA
Carbon tetrachloride	5	5 U	NA	5 U	NA	NA
Chlorobenzene	5	5 U	NA	5 U	NA	NA
Chloroethane	5	5 U	NA	5 U	NA	NA
Chloroform	7	5 U	NA	5 U	NA	NA
Chloromethane	NC	5 U	NA	5 U	NA	NA

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A	MW-13B	MW-15A	MW-15B	MW-18
Sample ID	Class GA	DMW-13A	DMW-13B	DMW-15A	DMW-15B	DMW-18
laboratory ID	Groundwater	G2114-12	G2114-13	G2114-08	G2114-07	G2114-06
Sample Date	Criteria	11/12/08	11/12/08	11/12/08	11/12/08	11/11/08
Matrix	water	water	water	water	water	water
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Conc. Q	Conc. Q	Conc. Q	Conc. Q	Conc. Q
cis-1,2-Dichloroethene	5	5 U	NA	5 U	NA	NA
cis-1,3-Dichloropropene	0.4	5 U	NA	5 U	NA	NA
Dibromochloromethane	50	5 U	NA	5 U	NA	NA
Dibromomethane	5	5 U	NA	5 U	NA	NA
Dichlorodifluoromethane	5	5 U	NA	5 U	NA	NA
Ethylbenzene	5	5 U	NA	5 U	NA	NA
Hexachlorobutadiene	0.5	5 U	NA	5 U	NA	NA
Iodomethane	NC	5 U	NA	5 U	NA	NA
Isopropylbenzene	5	5 U	NA	5 U	NA	NA
m,p-Xylene	5	5 U	NA	5 U	NA	NA
Methyl tert-butyl ether	10	5 U	NA	5 U	NA	NA
Methylene chloride	5	5 U	NA	5 U	NA	NA
n-Butylbenzene	5	5 U	NA	5 U	NA	NA
n-Propylbenzene	5	5 U	NA	5 U	NA	NA
Naphthalene	10	5 U	NA	5 U	NA	NA
o-Xylene	5	5 U	NA	5 U	NA	NA
sec-Butylbenzene	5	5 U	NA	5 U	NA	NA
Styrene	5	5 U	NA	5 U	NA	NA
tert-Butylbenzene	5	5 U	NA	5 U	NA	NA
Tetrachloroethene	5	5 U	NA	5 U	NA	NA
Toluene	5	5 U	NA	5 U	NA	NA
trans-1,2-Dichloroethene	5	5 U	NA	5 U	NA	NA
trans-1,3-Dichloropropene	0.4	5 U	NA	5 U	NA	NA
Trichloroethene	5	5 U	NA	5 U	NA	NA
Trichlorofluoromethane	5	5 U	NA	5 U	NA	NA
Vinyl acetate	NC	5 U	NA	5 U	NA	NA
Vinyl chloride	2	5 U	NA	5 U	NA	NA
Xylene (Total)	5	5 U	NA	5 U	NA	NA

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A		MW-13B		MW-15A		MW-15B		MW-18	
Sample ID	Class GA	DMW-13A		DMW-13B		DMW-15A		DMW-15B		DMW-18	
laboratory ID	Groundwater	G2114-12		G2114-13		G2114-08		G2114-07		G2114-06	
Sample Date	Criteria	11/12/08		11/12/08		11/12/08		11/12/08		11/11/08	
Matrix	water	water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
TAL Metals											
Aluminum	NC	258		56	U	56	U	56	U	88.1	B
Antimony	3	4.6	U	4.6	U	4.6	U	4.6	U	5.1	B
Arsenic	25	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	185	B	33.4	B	20.1	B	45	B	166	B
Beryllium	3	0.13	U	0.13	U	0.13	U	0.19	B	0.13	U
Cadmium	5	67.7		2.3	B	33.9		0.29	B	9.8	
Calcium	NC	19,900		11,700		12,100		13,700		12,600	
Chromium	50	1.1	U	22.3		1.1	U	1.1	U	1.1	U
Cobalt	NC	35.4	B	1.2	U	1.2	U	1.9	B	2	B
Copper	200	5	U	5	U	5	U	5	U	11.1	B
Iron	300	300		106	B	61	U	875		114	B
Lead	25	2.2	U	3.1	B	2.2	U	3.6	B	2.2	U
Magnesium	35,000	2,630		1,910		1,890		5,240		2,440	
Manganese	300	16,400		153		895		267		2,870	
Mercury	0.7	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U
Nickel	100	1.5	U	1.5	U	1.5	U	2.2	B	29.3	B
Potassium	NC	3,680		2,100		1,610		1,980		1,540	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.59	U	0.59	U	0.59	U	1	B	0.59	U
Sodium	20,000	21,700		9,280		9,040		43,900		12,100	
Thallium	0.5	11.7	B	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U
Zinc	2,000	20.8	B	24.3	B	24.3	B	38.9	B	265	

Notes:
NC - No criterion
NA - Not analyzed
J - Estimated value, organics
U - Not detected
B - Estimated value, metals

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22A		MW-22B		MW-23A		MW-23B	
Sample ID	Class GA	DMW-22A		DMW-22B		DMW-23A		DMW-23B	
laboratory ID	Groundwater	G2114-09		G2114-11		G2114-14		G2114-15	
Sample Date	Criteria	11/12/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	5	NA		NA		NA		NA	
1,1,1-Trichloroethane	5	NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	5	NA		NA		NA		NA	
1,1,2-Trichloroethane	1	NA		NA		NA		NA	
1,1-Dichloroethane	5	NA		NA		NA		NA	
1,1-Dichloroethene	5	NA		NA		NA		NA	
1,1-Dichloropropene	5	NA		NA		NA		NA	
1,2,3-Trichlorobenzene	5	NA		NA		NA		NA	
1,2,3-Trichloropropane	0.04	NA		NA		NA		NA	
1,2,4-Trichlorobenzene	5	NA		NA		NA		NA	
1,2,4-Trimethylbenzene	5	NA		NA		NA		NA	
1,2-Dibromo-3-chloropropane	0.04	NA		NA		NA		NA	
1,2-Dibromoethane	NC	NA		NA		NA		NA	
1,2-Dichlorobenzene	3	NA		NA		NA		NA	
1,2-Dichloroethane	0.6	NA		NA		NA		NA	
1,2-Dichloropropane	1	NA		NA		NA		NA	
1,3,5-Trimethylbenzene	5	NA		NA		NA		NA	
1,3-Dichlorobenzene	3	NA		NA		NA		NA	
1,3-Dichloropropane	5	NA		NA		NA		NA	
1,4-Dichlorobenzene	3	NA		NA		NA		NA	
2,2-Dichloropropane	5	NA		NA		NA		NA	
2-Butanone	50	NA		NA		NA		NA	
2-Chlorotoluene	5	NA		NA		NA		NA	
2-Hexanone	50	NA		NA		NA		NA	
4-Chlorotoluene	5	NA		NA		NA		NA	
4-Isopropyltoluene	5	NA		NA		NA		NA	
4-Methyl-2-pentanone	50	NA		NA		NA		NA	
Acetone	50	NA		NA		NA		NA	
Benzene	1	NA		NA		NA		NA	
Bromobenzene	5	NA		NA		NA		NA	
Bromochloromethane	5	NA		NA		NA		NA	
Bromodichloromethane	50	NA		NA		NA		NA	
Bromoform	50	NA		NA		NA		NA	
Bromomethane	5	NA		NA		NA		NA	
Carbon disulfide	60	NA		NA		NA		NA	
Carbon tetrachloride	5	NA		NA		NA		NA	
Chlorobenzene	5	NA		NA		NA		NA	
Chloroethane	5	NA		NA		NA		NA	
Chloroform	7	NA		NA		NA		NA	
Chloromethane	NC	NA		NA		NA		NA	

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22A		MW-22B		MW-23A		MW-23B	
Sample ID	Class GA	DMW-22A		DMW-22B		DMW-23A		DMW-23B	
laboratory ID	Groundwater	G2114-09		G2114-11		G2114-14		G2114-15	
Sample Date	Criteria	11/12/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
cis-1,2-Dichloroethene	5	NA		NA		NA		NA	
cis-1,3-Dichloropropene	0.4	NA		NA		NA		NA	
Dibromochloromethane	50	NA		NA		NA		NA	
Dibromomethane	5	NA		NA		NA		NA	
Dichlorodifluoromethane	5	NA		NA		NA		NA	
Ethylbenzene	5	NA		NA		NA		NA	
Hexachlorobutadiene	0.5	NA		NA		NA		NA	
Iodomethane	NC	NA		NA		NA		NA	
Isopropylbenzene	5	NA		NA		NA		NA	
m,p-Xylene	5	NA		NA		NA		NA	
Methyl tert-butyl ether	10	NA		NA		NA		NA	
Methylene chloride	5	NA		NA		NA		NA	
n-Butylbenzene	5	NA		NA		NA		NA	
n-Propylbenzene	5	NA		NA		NA		NA	
Naphthalene	10	NA		NA		NA		NA	
o-Xylene	5	NA		NA		NA		NA	
sec-Butylbenzene	5	NA		NA		NA		NA	
Styrene	5	NA		NA		NA		NA	
tert-Butylbenzene	5	NA		NA		NA		NA	
Tetrachloroethene	5	NA		NA		NA		NA	
Toluene	5	NA		NA		NA		NA	
trans-1,2-Dichloroethene	5	NA		NA		NA		NA	
trans-1,3-Dichloropropene	0.4	NA		NA		NA		NA	
Trichloroethene	5	NA		NA		NA		NA	
Trichlorofluoromethane	5	NA		NA		NA		NA	
Vinyl acetate	NC	NA		NA		NA		NA	
Vinyl chloride	2	NA		NA		NA		NA	
Xylene (Total)	5	NA		NA		NA		NA	

APPENDIX C TABLE 1
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF VOLATILE ORGANICS AND TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22A		MW-22B		MW-23A		MW-23B	
Sample ID	Class GA	DMW-22A		DMW-22B		DMW-23A		DMW-23B	
laboratory ID	Groundwater	G2114-09		G2114-11		G2114-14		G2114-15	
Sample Date	Criteria	11/12/08		11/12/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
		Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
TAL Metals									
Aluminum	NC	2,620		56	U	3,200		406	
Antimony	3	4.6	U	4.6	U	4.6	U	4.6	U
Arsenic	25	7.2	B	5.3	U	5.8	B	5.3	U
Barium	1,000	69.6	B	41.3	B	40.1	B	64.6	B
Beryllium	3	0.21	B	0.13	U	0.29	B	0.13	B
Cadmium	5	13.5		1.2	B	1080		42.2	
Calcium	NC	55,700		27,200		31,000		15,700	
Chromium	50	13	B	1.1	U	3.6	B	4.3	B
Cobalt	NC	1.2	U	1.5	B	1.2	U	1.2	U
Copper	200	19.3	B	5	U	47.6		24.6	B
Iron	300	22,000		518		13,100		1,270	
Lead	25	11.3		2.4	B	9.5	B	17.7	
Magnesium	35,000	7,860		5,090		9,020		1,590	
Manganese	300	1,030		775		1,390		52.1	
Mercury	0.7	0.016	U	0.016	U	0.016	U	0.016	U
Nickel	100	2.6	B	6.5	B	2.2	B	20.5	B
Potassium	NC	3,980		1,910		6,780		1,660	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.59	U	0.59	U	0.59	U	0.81	B
Sodium	20,000	39,900		11,300		37,800		2,200	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	NC	7	B	0.96	U	20.5	B	5.9	B
Zinc	2,000	714		29.8	B	42.7	B	198	

Notes:
NC - No criterion
NA - Not analyzed
J - Estimated value, organics
U - Not detected
B - Estimated value, metals

APPENDIX C TABLE 2
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF TAL METALS IN SURFACE WATER SAMPLES

Sample Location	NYSDEC	SW-1		SW-2		SW-3		SW-4		SW-5		SW-6	
Sample ID	Class A	SW-1		SW-2		SW-3		SW-4		DSW-5		DSW-6	
Laboratory ID	Surface Water	G2136-11		G2136-09		G2136-13		G2136-15		G2114-20		G2114-16	
Sample Date	Criteria	11/14/08		11/14/08		11/14/08		11/14/08		11/12/08		11/12/08	
Matrix	water	water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	56	U	56	U	56	U	56	U	56	U	190	B
Antimony	3	6	B	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Arsenic	50	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Barium	1,000	31.8	B	32.4	B	38.6	B	31.9	B	26.2	B	37.7	B
Beryllium	3	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Cadmium	5	1.5	B	2	B	0.97	B	0.63	B	3	B	75.4	
Calcium	NC	14,300		14,300		14,000		14,000		12,500		20,100	
Chromium	50	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	7.2	B
Cobalt	5	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
Copper	200	5	U	5	U	5	U	5	U	5	U	5	U
Iron	300	598		675		772		741		1,060		4,010	
Lead	50	2.2	U	2.4	B	2.2	U	2.2	U	2.2	U	9.8	B
Magnesium	35,000	3,570		3,530		3,440		3,490		3,100		4,080	
Manganese	300	1,610		1,560		1,790		1,630		956		1,040	
Mercury	0.7	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U
Nickel	100	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Potassium	NC	2,250		2,320		2,290		2,310		1,780		2,830	
Selenium	10	6.6	U	6.6	U	6.6	U	6.6	U	6.6	U	6.6	U
Silver	50	0.98	B	0.59	U	0.64	B	0.59	U	0.59	U	0.59	U
Sodium	20,000	19,000		19,500		17,700		17,800		18,100		26,000	
Thallium	0.5	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
Vanadium	14	0.96	U	1.1	B	0.96	U	0.96	U	0.99	B	1.6	B
Zinc	2,000	22.3	B	21	B	16.4	B	9.7	B	10.4	B	48.2	B

NC - No Criterion
U - Below method detection limit
B - Estimated value

APPENDIX C TABLE 3
DZUS FASTENERS (SITE # 1-52-033)
SUMMARY OF TAL METALS IN SEDIMENT SAMPLES

Sample Location	NYSDEC		SED-1		SED-2		SED-3		SED-4		SED-5		SED-6	
Sample ID	Technical		SED-1		SED-2		SED-3		SED-4		DSED-5		DSED-6	
laboratory ID	Guidance for		G2136-10		G2136-08		G2136-14		G2136-16		G2114-21		G2114-17	
Sample Date	Sediment Criteria		11/14/08		11/14/08		11/14/08		11/14/08		11/12/08		11/12/08	
Matrix			Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Units	Lowest Effect	Highest Effect	mg/kg Conc.	Q	mg/kg Conc.	Q	mg/kg Conc.	Q	mg/kg Conc.	Q	mg/kg Conc.	Q	mg/kg Conc.	Q
Aluminum	NC	NC	7,630	*	2,800	*	5,860	*	1,790	*	5,150		7,700	
Antimony	2.0	25	2.2	BN	0.19	BN	0.63	BN	0.42	BN	1.1	BN	2.6	N
Arsenic	6.0	33	8.7		1.8		4.2	B	3.9		8.2		6.4	
Barium	NC	NC	67.7	B*E	40.8	*E	88.2	*E	177	*E	96.6		89.7	
Beryllium	NC	NC	0.64	B	0.16	B	0.3	B	0.13	B	0.34	B	0.36	B
Cadmium	0.6	9	61.4	N*E	12.5	N*E	1.7	N*E	15.8	N*E	52		101	
Calcium	NC	NC	3,140	*	1,400	*	11,700	*	8,090	*	4,150		7,690	
Chromium	26	110	27.1	E	6.5	E	9.6	E	6.8	E	33.3		41.8	
Cobalt	NC	NC	20.2	E	3	BE	12.6	E	7	E	7.8		8.1	
Copper	16	110	65.7		15.6		32.4		17.1		103		77.3	
Iron	2%	4%	19,700	E	3,850	E	10,900	E	7,280	E	23,900		25,600	
Lead	31	110	176	N*E	25.8	N*E	34	N*E	34.3	N*E	215	E	109	E
Magnesium	NC	NC	1,260	*E	305	*E	4,200	*E	653	*E	1,370		1,980	
Manganese	460	1,100	181	*	769	*	908	*	11,700	*	2,140		978	
Mercury	0.15	1.3	0.34		0.018	B	0.074	B	0.21		0.48		0.15	
Nickel	16	50	19.4		3.2	B	8.5	B	6.3		19.2		17.2	
Potassium	NC	NC	465	*	123	*	1,010	*	281	*	320		528	
Selenium	NC	NC	4.2	U	0.79	U	2.7	U	3.3		1.6	U	1.4	U
Silver	1.0	2.2	0.77	U	0.15	U	0.49	U	1.1	B	0.29	U	0.26	U
Sodium	NC	NC	136	B	46.5	B	528		131		204		414	
Thallium	NC	NC	2.5	U	0.46	U	1.6	U	2.8		2.1	B	0.98	B
Vanadium	NC	NC	39.9	E	5.8	E	36.4	E	7.4	E	54.2		42.4	
Zinc	120	270	445	*E	67.9	*E	71.3	*E	110	*E	290	E	409	E

Notes:
NC - No criterion
N - Spike recoveries were not within QC limits
B - Estimated value
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
U - Not detected

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 12, 2008

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

RE: Client Project: Multi Site G—Liberty, DZUS
Lab Work Order #: G2114

Dear Mr. Kareth:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

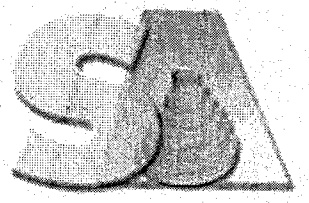
We appreciate your business.

Sincerely,

Shirley Ng
Project Manager

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

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 :** G2114

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
DMW-2	G2114-01				SW6010_W	
DMW-2	G2114-01				SW7470	
DMW-9	G2114-02				SW6010_W	
DMW-9	G2114-02				SW7470	
DMW-9B	G2114-03				SW6010_W	
DMW-9B	G2114-03				SW7470	
DMW-3	G2114-04	SW8260_W			SW6010_W	
DMW-3	G2114-04				SW7470	
DMW-53	G2114-05	SW8260_W			SW6010_W	
DMW-53	G2114-05				SW7470	
DMW-18	G2114-06				SW6010_W	
DMW-18	G2114-06				SW7470	
DMW-15B	G2114-07				SW6010_W	
DMW-15B	G2114-07				SW7470	
DMW-15A	G2114-08	SW8260_W			SW6010_W	
DMW-15A	G2114-08				SW7470	
DMW-22A	G2114-09				SW6010_W	
DMW-22A	G2114-09				SW7470	
DMW-72	G2114-10				SW6010_W	
DMW-72	G2114-10				SW7470	
DMW-22B	G2114-11				SW6010_W	
DMW-22B	G2114-11				SW7470	
DMW-13A	G2114-12	SW8260_W			SW6010_W	
DMW-13A	G2114-12				SW7470	
DMW-13B	G2114-13				SW6010_W	
DMW-13B	G2114-13				SW7470	
DMW-23A	G2114-14				SW6010_W	
DMW-23A	G2114-14				SW7470	
DMW-23B	G2114-15				SW6010_W	
DMW-23B	G2114-15				SW7470	
DSW-6	G2114-16				SW6010_W	
DSW-6	G2114-16				SW7470	
DSED-6	G2114-17				SW6010_S	
DSED-6	G2114-17				SW7471	
DSED-56	G2114-18				SW6010_S	
DSED-56	G2114-18				SW7471	
TB	G2114-19	SW8260_W				
DSW-5	G2114-20				SW6010_W	

12/12/2008 12:56

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** G2114

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
DSW-5	G2114-20				SW7470	
DSED-5	G2114-21				SW6010_S	
DSED-5	G2114-21				SW7471	

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** G2114

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G2114-04A	AQ	11/11/2008	11/13/2008	NA	11/19/2008
G2114-05A	AQ	11/11/2008	11/13/2008	NA	11/19/2008
G2114-08A	AQ	11/12/2008	11/13/2008	NA	11/19/2008
G2114-12A	AQ	11/12/2008	11/13/2008	NA	11/18/2008
G2114-19A	AQ	11/12/2008	11/13/2008	NA	11/19/2008

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** G2114

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G2114-04A	AQ	SW8260_W	NA	LOW	1
G2114-05A	AQ	SW8260_W	NA	LOW	1
G2114-08A	AQ	SW8260_W	NA	LOW	1
G2114-12A	AQ	SW8260_W	NA	LOW	1
G2114-19A	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 :** G2114

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
G2114-17A	SL	SW6010_S	11/13/2008	12/1/2008
G2114-17ADUP	SL	SW6010_S	11/13/2008	12/1/2008
G2114-17AMS	SL	SW6010_S	11/13/2008	12/1/2008
G2114-18A	SL	SW6010_S	11/13/2008	12/1/2008
G2114-21A	SL	SW6010_S	11/13/2008	12/1/2008
SW6010_W				
G2114-01A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-02A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-03A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-04B	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-05B	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-06A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-07A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-08B	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-09A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-09ADUP	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-09AMS	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-10A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-11A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-12B	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-13A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-14A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-15A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-16A	AQ	SW6010_W	11/13/2008	11/26/2008
G2114-20A	AQ	SW6010_W	11/13/2008	11/26/2008
SW7470				
G2114-01A	AQ	SW7470	11/13/2008	11/24/2008
G2114-02A	AQ	SW7470	11/13/2008	11/24/2008
G2114-03A	AQ	SW7470	11/13/2008	11/24/2008
G2114-04B	AQ	SW7470	11/13/2008	11/24/2008
G2114-05B	AQ	SW7470	11/13/2008	11/24/2008
G2114-06A	AQ	SW7470	11/13/2008	11/24/2008
G2114-07A	AQ	SW7470	11/13/2008	11/24/2008
G2114-08B	AQ	SW7470	11/13/2008	11/24/2008
G2114-09A	AQ	SW7470	11/13/2008	11/24/2008
G2114-09ADUP	AQ	SW7470	11/13/2008	11/24/2008
G2114-09AMS	AQ	SW7470	11/13/2008	11/24/2008
G2114-10A	AQ	SW7470	11/13/2008	11/24/2008
G2114-11A	AQ	SW7470	11/13/2008	11/24/2008
G2114-12B	AQ	SW7470	11/13/2008	11/24/2008
G2114-13A	AQ	SW7470	11/13/2008	11/24/2008
G2114-14A	AQ	SW7470	11/13/2008	11/24/2008
G2114-15A	AQ	SW7470	11/13/2008	11/24/2008
G2114-16A	AQ	SW7470	11/13/2008	11/24/2008
G2114-20A	AQ	SW7470	11/13/2008	11/24/2008
SW7471				

Mitkem Laboratories

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

Project Name : Multi Site G **SDG :** G2114

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
G2114-17A	SL	SW7471	11/13/2008	11/25/2008
G2114-17ADUP	SL	SW7471	11/13/2008	11/25/2008
G2114-17AMS	SL	SW7471	11/13/2008	11/25/2008
G2114-18A	SL	SW7471	11/13/2008	11/25/2008
G2114-21A	SL	SW7471	11/13/2008	11/25/2008

Analytical Data Package for Earth Tech Northeast, Inc.

Client Project: Multi Site G—Liberty, DZUS

SDG# MG2114

Mitkem Work Order ID: G2114

December 12, 2008

Prepared For:

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

Prepared By:

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

SDG Narrative

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

The analyses were performed according to NYSDEC ASP protocols (2000update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

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

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

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

3. Metals analysis:

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

Matrix spike analysis: matrix spikes were performed on samples DMW-22A and DSED-6. Spike recoveries were within the QC limits with the exception of antimony in DSED-6. This element is flagged with an "N" on the data reporting forms. A post digestion spike was performed on this sample and reported.

Duplicate analysis: duplicate analyses were performed on samples DMW-22A and DSED-6. Percent recoveries were within the QC limits.

Sample analysis: serial dilutions were performed on samples DMW-22A and DSED-6. Percent differences were within the QC limits with the exception of lead and zinc in DSED-6. These elements are flagged with an "E" on the data reporting forms. No other unusual occurrences were noted during sample analysis.

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

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

Shirley Ng
Project Manager
12/12/08

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1689.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	4.2	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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1689.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DMW-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1689.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.742	27	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-53

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1690.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	4.0	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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-53

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1690.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DMW-53

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1690.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.743	24	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-15A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1691.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-15A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1691.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DMW-15A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1691.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.747	24	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-13A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1667.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DMW-13A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1667.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

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

SW846

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DMW-13A

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1667.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.757	43	J
	E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-19A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1688.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-19A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1688.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2114-19A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1688.D

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

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	12.753	24	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1SLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40116

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1652.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	49	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	54	
67-64-1	Acetone	46	
74-88-4	Iodomethane	53	
75-15-0	Carbon disulfide	52	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	53	
108-05-4	Vinyl acetate	52	
78-93-3	2-Butanone	46	
156-59-2	cis-1,2-Dichloroethene	51	
594-20-7	2,2-Dichloropropane	41	
74-97-5	Bromochloromethane	49	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	53	
563-58-6	1,1-Dichloropropene	49	
56-23-5	Carbon tetrachloride	51	
107-06-2	1,2-Dichloroethane	53	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	53	
74-95-3	Dibromomethane	53	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	52	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	52	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1SLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40116

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1652.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	52	
591-78-6	2-Hexanone	50	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	52	
100-41-4	Ethylbenzene	51	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	51	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	52	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	50	
96-18-4	1,2,3-Trichloropropane	47	
103-65-1	n-Propylbenzene	49	
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	51	
95-63-6	1,2,4-Trimethylbenzene	51	
135-98-8	sec-Butylbenzene	49	
99-87-6	4-Isopropyltoluene	50	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
104-51-8	n-Butylbenzene	48	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	47	
120-82-1	1,2,4-Trichlorobenzene	44	
87-68-3	Hexachlorobutadiene	45	
87-61-6	1,2,3-Trichlorobenzene	38	
91-20-3	Naphthalene	39	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1SLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40116

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1653.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	49	
74-87-3	Chloromethane	49	
75-01-4	Vinyl chloride	52	
74-83-9	Bromomethane	51	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	54	
75-35-4	1,1-Dichloroethene	54	
67-64-1	Acetone	47	
74-88-4	Iodomethane	54	
75-15-0	Carbon disulfide	75	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	51	
108-05-4	Vinyl acetate	52	
78-93-3	2-Butanone	49	
156-59-2	cis-1,2-Dichloroethene	51	
594-20-7	2,2-Dichloropropane	40	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	49	
56-23-5	Carbon tetrachloride	52	
107-06-2	1,2-Dichloroethane	52	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	52	
74-95-3	Dibromomethane	53	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	52	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1SLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40116

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1653.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	53	
591-78-6	2-Hexanone	50	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	51	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	51	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	52	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	48	
103-65-1	n-Propylbenzene	49	
95-49-8	2-Chlorotoluene	52	
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	52	
135-98-8	sec-Butylbenzene	51	
99-87-6	4-Isopropyltoluene	51	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	50	
104-51-8	n-Butylbenzene	49	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	47	
87-68-3	Hexachlorobutadiene	45	
87-61-6	1,2,3-Trichlorobenzene	43	
91-20-3	Naphthalene	44	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1TLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40154

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1674.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	38	
74-87-3	Chloromethane	42	
75-01-4	Vinyl chloride	41	
74-83-9	Bromomethane	43	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	45	
67-64-1	Acetone	47	
74-88-4	Iodomethane	41	
75-15-0	Carbon disulfide	41	
75-09-2	Methylene chloride	45	
156-60-5	trans-1,2-Dichloroethene	43	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	45	
108-05-4	Vinyl acetate	45	
78-93-3	2-Butanone	50	
156-59-2	cis-1,2-Dichloroethene	46	
594-20-7	2,2-Dichloropropane	45	
74-97-5	Bromochloromethane	47	
67-66-3	Chloroform	47	
71-55-6	1,1,1-Trichloroethane	46	
563-58-6	1,1-Dichloropropene	43	
56-23-5	Carbon tetrachloride	44	
107-06-2	1,2-Dichloroethane	49	
71-43-2	Benzene	46	
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	48	
74-95-3	Dibromomethane	48	
75-27-4	Bromodichloromethane	48	
10061-01-5	cis-1,3-Dichloropropene	48	
108-10-1	4-Methyl-2-pentanone	53	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	50	
142-28-9	1,3-Dichloropropane	51	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1TLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40154

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1674.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	50	
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	48	
630-20-6	1,1,1,2-Tetrachloroethane	48	
100-41-4	Ethylbenzene	46	
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	51	
98-82-8	Isopropylbenzene	46	
79-34-5	1,1,2,2-Tetrachloroethane	50	
108-86-1	Bromobenzene	47	
96-18-4	1,2,3-Trichloropropane	49	
103-65-1	n-Propylbenzene	45	
95-49-8	2-Chlorotoluene	47	
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	45	
541-73-1	1,3-Dichlorobenzene	44	
106-46-7	1,4-Dichlorobenzene	46	
104-51-8	n-Butylbenzene	45	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	44	
87-68-3	Hexachlorobutadiene	42	
87-61-6	1,2,3-Trichlorobenzene	40	
91-20-3	Naphthalene	43	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1TLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40154

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1675.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	33	
74-87-3	Chloromethane	39	
75-01-4	Vinyl chloride	37	
74-83-9	Bromomethane	40	
75-00-3	Chloroethane	41	
75-69-4	Trichlorofluoromethane	39	
75-35-4	1,1-Dichloroethene	40	
67-64-1	Acetone	44	
74-88-4	Iodomethane	40	
75-15-0	Carbon disulfide	37	
75-09-2	Methylene chloride	45	
156-60-5	trans-1,2-Dichloroethene	41	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	43	
108-05-4	Vinyl acetate	43	
78-93-3	2-Butanone	52	
156-59-2	cis-1,2-Dichloroethene	43	
594-20-7	2,2-Dichloropropane	40	
74-97-5	Bromochloromethane	46	
67-66-3	Chloroform	44	
71-55-6	1,1,1-Trichloroethane	42	
563-58-6	1,1-Dichloropropene	39	
56-23-5	Carbon tetrachloride	40	
107-06-2	1,2-Dichloroethane	48	
71-43-2	Benzene	43	
79-01-6	Trichloroethene	41	
78-87-5	1,2-Dichloropropane	46	
74-95-3	Dibromomethane	49	
75-27-4	Bromodichloromethane	46	
10061-01-5	cis-1,3-Dichloropropene	47	
108-10-1	4-Methyl-2-pentanone	52	
108-88-3	Toluene	43	
10061-02-6	trans-1,3-Dichloropropene	48	
79-00-5	1,1,2-Trichloroethane	49	
142-28-9	1,3-Dichloropropane	50	

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1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1TLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2114

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40154

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1675.D

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

% Moisture: not dec. Date Analyzed: 11/18/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	44	
591-78-6	2-Hexanone	55	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	46	
630-20-6	1,1,1,2-Tetrachloroethane	47	
100-41-4	Ethylbenzene	45	
1330-20-7	m,p-Xylene	90	
95-47-6	o-Xylene	45	
1330-20-7	Xylene (Total)	130	
100-42-5	Styrene	47	
75-25-2	Bromoform	50	
98-82-8	Isopropylbenzene	43	
79-34-5	1,1,2,2-Tetrachloroethane	50	
108-86-1	Bromobenzene	46	
96-18-4	1,2,3-Trichloropropane	49	
103-65-1	n-Propylbenzene	41	
95-49-8	2-Chlorotoluene	44	
108-67-8	1,3,5-Trimethylbenzene	43	
106-43-4	4-Chlorotoluene	44	
98-06-6	tert-Butylbenzene	44	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	42	
99-87-6	4-Isopropyltoluene	43	
541-73-1	1,3-Dichlorobenzene	44	
106-46-7	1,4-Dichlorobenzene	44	
104-51-8	n-Butylbenzene	42	
95-50-1	1,2-Dichlorobenzene	46	
96-12-8	1,2-Dibromo-3-chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	44	
87-68-3	Hexachlorobutadiene	41	
87-61-6	1,2,3-Trichlorobenzene	43	
91-20-3	Naphthalene	46	

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-13A

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-12

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	258			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	185	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	67.7			P
7440-70-2	Calcium	19900			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	35.4	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	300			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	2630			P
7439-96-5	Manganese	16400			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	3680			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	21700			P
7440-28-0	Thallium	11.7	B		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	20.8	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-13B

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-13

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	33.4	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	2.3	B		P
7440-70-2	Calcium	11700			P
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	106	B		P
7439-92-1	Lead	3.1	B		P
7439-95-4	Magnesium	1910			P
7439-96-5	Manganese	153			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2100			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	9280			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	24.3	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-15A

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-08

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	20.1	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	33.9			P
7440-70-2	Calcium	12100			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	61.0	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1890			P
7439-96-5	Manganese	895			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	9040			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	24.3	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-15B

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-07

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	45.0	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.29	B		P
7440-70-2	Calcium	13700			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	875			P
7439-92-1	Lead	3.6	B		P
7439-95-4	Magnesium	5240			P
7439-96-5	Manganese	267			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	1980			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	38.9	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-18

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-06

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	88.1	B		P
7440-36-0	Antimony	5.1	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	166	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	9.8			P
7440-70-2	Calcium	12600			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	11.1	B		P
7439-89-6	Iron	114	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	2440			P
7439-96-5	Manganese	2870			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	29.3	B		P
7440-09-7	Potassium	1540			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	12100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	265			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-2

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-01

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	242			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	38.7	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	2.7	B		P
7440-70-2	Calcium	14500			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	13.8	B		P
7440-50-8	Copper	12.6	B		P
7439-89-6	Iron	23300			P
7439-92-1	Lead	5.2	B		P
7439-95-4	Magnesium	2700			P
7439-96-5	Manganese	2150			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	4.7	B		P
7440-09-7	Potassium	1880			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	18600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	64.3			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-22A

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-09

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2620			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	7.2	B		P
7440-39-3	Barium	69.6	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	13.5			P
7440-70-2	Calcium	55700			P
7440-47-3	Chromium	13.0	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	19.3	B		P
7439-89-6	Iron	22000			P
7439-92-1	Lead	11.3			P
7439-95-4	Magnesium	7860			P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	2.6	B		P
7440-09-7	Potassium	3980			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	39900			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	714			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-22B

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-11

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	41.3	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	27200			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	518			P
7439-92-1	Lead	2.4	B		P
7439-95-4	Magnesium	5090			P
7439-96-5	Manganese	775			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	6.5	B		P
7440-09-7	Potassium	1910			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	11300			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	29.8	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-23A

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-14

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3200			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.8	B		P
7440-39-3	Barium	40.1	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	1080			P
7440-70-2	Calcium	31000			P
7440-47-3	Chromium	3.6	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	47.6			P
7439-89-6	Iron	13100			P
7439-92-1	Lead	9.5	B		P
7439-95-4	Magnesium	9020			P
7439-96-5	Manganese	1390			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	6780			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	37800			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	20.5	B		P
7440-66-6	Zinc	42.7	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-23B

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-15

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	406			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	64.6	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	42.2			P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	4.3	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	24.6	B		P
7439-89-6	Iron	1270			P
7439-92-1	Lead	17.7			P
7439-95-4	Magnesium	1590			P
7439-96-5	Manganese	52.1			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	20.5	B		P
7440-09-7	Potassium	1660			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.81	B		P
7440-23-5	Sodium	2200			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	198			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-3

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-04

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	314			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	28.3	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	70.8			P
7440-70-2	Calcium	11800			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	253			P
7439-92-1	Lead	2.7	B		P
7439-95-4	Magnesium	2650			P
7439-96-5	Manganese	262			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	1420			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	25000			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	26.2	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-53

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-05

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	381			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	33.2	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	84.7			P
7440-70-2	Calcium	12400			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	288			P
7439-92-1	Lead	2.7	B		P
7439-95-4	Magnesium	2740			P
7439-96-5	Manganese	298			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	1450			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	28100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	23.5	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-72

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-10

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	462			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	61.0	B		P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	11.4			P
7440-70-2	Calcium	51100			P
7440-47-3	Chromium	4.6	B		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	13.8	B		P
7439-89-6	Iron	13600			P
7439-92-1	Lead	8.8	B		P
7439-95-4	Magnesium	7080			P
7439-96-5	Manganese	946			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	3400			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	38800			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	558			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-9

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-02

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	611			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	30.2	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	15.5			P
7440-70-2	Calcium	10800			P
7440-47-3	Chromium	35.3			P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	17.3	B		P
7439-89-6	Iron	3670			P
7439-92-1	Lead	5.9	B		P
7439-95-4	Magnesium	2690			P
7439-96-5	Manganese	62.6			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	1720			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	16100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	55.9			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DMW-9B

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-03

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	8180			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	134	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1330			P
7439-96-5	Manganese	171			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	1940			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	11800			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	35.3	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DSED-5

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): SOIL Lab Sample ID: G2114-21

Level (low/med): MED Date Received: 11/13/2008

% Solids: 35.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5150			P
7440-36-0	Antimony	1.1	B	N	P
7440-38-2	Arsenic	8.2			P
7440-39-3	Barium	96.6			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	52.0			P
7440-70-2	Calcium	4150			P
7440-47-3	Chromium	33.3			P
7440-48-4	Cobalt	7.8			P
7440-50-8	Copper	103			P
7439-89-6	Iron	23900			P
7439-92-1	Lead	215		E	P
7439-95-4	Magnesium	1370			P
7439-96-5	Manganese	2140			P
7439-97-6	Mercury	0.48			CV
7440-02-0	Nickel	19.2			P
7440-09-7	Potassium	320			P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	0.29	U		P
7440-23-5	Sodium	204			P
7440-28-0	Thallium	2.1	B		P
7440-62-2	Vanadium	54.2			P
7440-66-6	Zinc	290		E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DSED-56

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): SOIL Lab Sample ID: G2114-18

Level (low/med): MED Date Received: 11/13/2008

% Solids: 27.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8440			P
7440-36-0	Antimony	2.7	B	N	P
7440-38-2	Arsenic	6.9			P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	112			P
7440-70-2	Calcium	10600			P
7440-47-3	Chromium	35.4			P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	73.8			P
7439-89-6	Iron	25800			P
7439-92-1	Lead	108		E	P
7439-95-4	Magnesium	2320			P
7439-96-5	Manganese	1500			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	18.3			P
7440-09-7	Potassium	716			P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	521			P
7440-28-0	Thallium	1.6	B		P
7440-62-2	Vanadium	41.1			P
7440-66-6	Zinc	412		E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DSED-6

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): SOIL Lab Sample ID: G2114-17

Level (low/med): MED Date Received: 11/13/2008

% Solids: 33.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7700			P
7440-36-0	Antimony	2.6		N	P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	89.7			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	101			P
7440-70-2	Calcium	7690			P
7440-47-3	Chromium	41.8			P
7440-48-4	Cobalt	8.1			P
7440-50-8	Copper	77.3			P
7439-89-6	Iron	25600			P
7439-92-1	Lead	109		E	P
7439-95-4	Magnesium	1980			P
7439-96-5	Manganese	978			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	17.2			P
7440-09-7	Potassium	528			P
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	0.26	U		P
7440-23-5	Sodium	414			P
7440-28-0	Thallium	0.98	B		P
7440-62-2	Vanadium	42.4			P
7440-66-6	Zinc	409		E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DSW-5

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-20

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	26.2	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	3.0	B		P
7440-70-2	Calcium	12500			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	1060			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3100			P
7439-96-5	Manganese	956			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	1780			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	18100			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.99	B		P
7440-66-6	Zinc	10.4	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DSW-6

Lab Name: Mitkem Laboratories Contract: 95900

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2114

Matrix (soil/water): WATER Lab Sample ID: G2114-16

Level (low/med): MED Date Received: 11/13/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	190	B		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	37.7	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	75.4			P
7440-70-2	Calcium	20100			P
7440-47-3	Chromium	7.2	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	4010			P
7439-92-1	Lead	9.8	B		P
7439-95-4	Magnesium	4080			P
7439-96-5	Manganese	1040			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2830			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	26000			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	48.2	B		P

Comments:

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 17, 2008

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

RE: Client Project: Multi Site G—Liberty, DZUS
Lab Work Order #: G2136

Dear Mr. Kareth:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

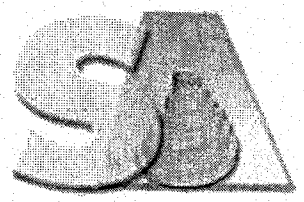
We appreciate your business.

Sincerely,

Shirley Ng

Shirley Ng
Project Manager

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 – Liberty, DZUS **SDG :** G2136

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
LMW-19	G2136-01				SW6010_W	
LMW-19	G2136-01				SW7470	
LMW-18	G2136-02				SW6010_W	
LMW-18	G2136-02				SW7470	
LMW-68	G2136-03				SW6010_W	
LMW-68	G2136-03				SW7470	
LMW-20	G2136-04				SW6010_W	
LMW-20	G2136-04				SW7470	
LMW-21	G2136-05				SW6010_W	
LMW-21	G2136-05				SW7470	
LMW-6	G2136-06				SW6010_W	
LMW-6	G2136-06				SW7470	
LMW-5	G2136-07				SW6010_W	
LMW-5	G2136-07				SW7470	
SED-2	G2136-08				SW6010_S	
SED-2	G2136-08				SW7471	
SW-2	G2136-09				SW6010_W	
SW-2	G2136-09				SW7470	
SED-1	G2136-10				SW6010_S	
SED-1	G2136-10				SW7471	
SW-1	G2136-11				SW6010_W	
SW-1	G2136-11				SW7470	
SW-51	G2136-12				SW6010_W	
SW-51	G2136-12				SW7470	
SW-3	G2136-13				SW6010_W	
SW-3	G2136-13				SW7470	
SED-3	G2136-14				SW6010_S	
SED-3	G2136-14				SW7471	
SW-4	G2136-15				SW6010_W	
SW-4	G2136-15				SW7470	
SED-4	G2136-16				SW6010_S	
SED-4	G2136-16				SW7471	
FB 111408	G2136-17				SW6010_W	
FB 111408	G2136-17				SW7470	

Mitkem Laboratories

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

Project Name : Multi Site G -- Liberty, DZUS **SDG :** G2136

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
G2136-08A	SL	SW6010_S	11/15/2008	12/4/2008
G2136-10A	SL	SW6010_S	11/15/2008	12/4/2008
G2136-14A	SL	SW6010_S	11/15/2008	12/4/2008
G2136-16A	SL	SW6010_S	11/15/2008	12/4/2008
G2136-16ADUP	SL	SW6010_S	11/15/2008	12/4/2008
G2136-16AMS	SL	SW6010_S	11/15/2008	12/4/2008
SW6010_W				
G2136-01A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-01ADUP	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-01AMS	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-02A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-03A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-04A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-05A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-06A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-07A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-09A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-11A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-11ADUP	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-11AMS	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-12A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-13A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-15A	AQ	SW6010_W	11/15/2008	12/4/2008
G2136-17A	AQ	SW6010_W	11/15/2008	12/4/2008
SW7470				
G2136-01A	AQ	SW7470	11/15/2008	12/4/2008
G2136-01ADUP	AQ	SW7470	11/15/2008	12/4/2008
G2136-01AMS	AQ	SW7470	11/15/2008	12/4/2008
G2136-02A	AQ	SW7470	11/15/2008	12/4/2008
G2136-03A	AQ	SW7470	11/15/2008	12/4/2008
G2136-04A	AQ	SW7470	11/15/2008	12/4/2008
G2136-05A	AQ	SW7470	11/15/2008	12/4/2008
G2136-06A	AQ	SW7470	11/15/2008	12/4/2008
G2136-07A	AQ	SW7470	11/15/2008	12/4/2008
G2136-09A	AQ	SW7470	11/15/2008	12/4/2008
G2136-11A	AQ	SW7470	11/15/2008	12/4/2008
G2136-11ADUP	AQ	SW7470	11/15/2008	12/4/2008
G2136-11AMS	AQ	SW7470	11/15/2008	12/4/2008
G2136-12A	AQ	SW7470	11/15/2008	12/4/2008
G2136-13A	AQ	SW7470	11/15/2008	12/4/2008
G2136-15A	AQ	SW7470	11/15/2008	12/4/2008
G2136-17A	AQ	SW7470	11/15/2008	12/4/2008
SW7471				
G2136-08A	SL	SW7471	11/15/2008	12/3/2008
G2136-10A	SL	SW7471	11/15/2008	12/3/2008
G2136-14A	SL	SW7471	11/15/2008	12/3/2008
G2136-16A	SL	SW7471	11/15/2008	12/3/2008

Analytical Data Package for Earth Tech Northeast, Inc.

Client Project: Multi Site G— Liberty, DZUS

SDG# MG2136

Mitkem Work Order ID: G2136

December 17, 2008

Prepared For:

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

Prepared By:

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

SDG Narrative

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

The analyses were performed according to NYSDEC ASP protocols (2000update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Metals analysis:

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

Matrix spike analysis: matrix spikes were performed on samples LMW-19 and SW-1, on also sample SED-4 for ICP only. Spike recoveries were within the QC limits with the exception of antimony, cadmium and lead in SED-4. These elements are flagged with an "N" on the data reporting forms. A post digestion spike was performed on sample SED-4 with improved recoveries and reported.

Duplicate analysis: duplicate analyses were performed on samples LMW-19 and SW-1, on also sample SED-4 for ICP only. Percent recoveries were within the QC limits with the exception of aluminum, barium, cadmium, calcium, lead, magnesium, manganese, potassium and zinc. These elements are flagged with a "*" on the data reporting forms.

Sample analysis: serial dilutions were performed on samples LMW-19, SW-1 and SED-4. Percent differences were within the QC limits with the exception of barium, cadmium, chromium, cobalt, iron, lead, magnesium, vanadium and zinc in SED-4. These elements are flagged with an "E" on the data reporting forms. No other unusual occurrences were noted during sample analysis.

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

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

Shirley Ng
Project Manager
12/17/08

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FB 111408

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-17

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	8.5	U		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.33	B		P
7440-70-2	Calcium	130	U		P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	61.0	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	77.0	U		P
7439-96-5	Manganese	13.8	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	41.0	U		P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	57.9	B		P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	12.0	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-18

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-02

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	196	B		P
7440-36-0	Antimony	9.0	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	86.4	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.92	B		P
7440-70-2	Calcium	13500			P
7440-47-3	Chromium	5.4	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	11.0	B		P
7439-89-6	Iron	307			P
7439-92-1	Lead	2.5	B		P
7439-95-4	Magnesium	4960			P
7439-96-5	Manganese	122			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	10200			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	29600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	86.7			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-19

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-01

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	20.0	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.14	U		P
7440-70-2	Calcium	9700			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	61.0	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3970			P
7439-96-5	Manganese	14.9	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	947	B		P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	13400			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	30.5	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-20

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-04

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	81.6	B		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	48.8	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.74	B		P
7440-70-2	Calcium	4420			P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	164	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3400			P
7439-96-5	Manganese	35.0	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	8190			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.60	B		P
7440-23-5	Sodium	29700			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	28.5	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-21

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-05

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	457			P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	58.2	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	4.8	B		P
7440-70-2	Calcium	11900			P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	6.6	B		P
7439-89-6	Iron	198	B		P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	2960			P
7439-96-5	Manganese	627			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	6.9	B		P
7440-09-7	Potassium	6250			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	19200			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	69.1			P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-5

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-07

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	45.7	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.14	U		P
7440-70-2	Calcium	16900			P
7440-47-3	Chromium	7.3	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	61.0	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	2040			P
7439-96-5	Manganese	6.8	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	4380			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	7570			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	13.7	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-6

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-06

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	15.7	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.55	B		P
7440-70-2	Calcium	8300			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	147	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	2590			P
7439-96-5	Manganese	40.8	B		P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	2060			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	11600			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	21.9	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

LMW-68

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-03

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	214			P
7440-36-0	Antimony	5.3	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	86.3	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	13800			P
7440-47-3	Chromium	5.6	B		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	10.1	B		P
7439-89-6	Iron	266			P
7439-92-1	Lead	2.5	B		P
7439-95-4	Magnesium	4960			P
7439-96-5	Manganese	126			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	10400			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.91	B		P
7440-23-5	Sodium	30000			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	83.8			P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SED-1

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): SOIL Lab Sample ID: G2136-10

Level (low/med): MED Date Received: 11/15/2008

% Solids: 12.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7630		*	P
7440-36-0	Antimony	2.2	B	N	P
7440-38-2	Arsenic	8.7			P
7440-39-3	Barium	67.7	B	*E	P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	61.4		N*E	P
7440-70-2	Calcium	3140		*	P
7440-47-3	Chromium	27.1		E	P
7440-48-4	Cobalt	20.2		E	P
7440-50-8	Copper	65.7			P
7439-89-6	Iron	19700		E	P
7439-92-1	Lead	176		N*E	P
7439-95-4	Magnesium	1260		*E	P
7439-96-5	Manganese	181		*	P
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel	19.4			P
7440-09-7	Potassium	465		*	P
7782-49-2	Selenium	4.2	U		P
7440-22-4	Silver	0.77	U		P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	2.5	U		P
7440-62-2	Vanadium	39.9		E	P
7440-66-6	Zinc	445		*E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SED-2

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): SOIL Lab Sample ID: G2136-08

Level (low/med): MED Date Received: 11/15/2008

% Solids: 62.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2800		*	P
7440-36-0	Antimony	0.19	B	N	P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	40.8		*E	P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	12.5		N*E	P
7440-70-2	Calcium	1400		*	P
7440-47-3	Chromium	6.5		E	P
7440-48-4	Cobalt	3.0	B	E	P
7440-50-8	Copper	15.6			P
7439-89-6	Iron	3850		E	P
7439-92-1	Lead	25.8		N*E	P
7439-95-4	Magnesium	305		*E	P
7439-96-5	Manganese	769		*	P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	123		*	P
7782-49-2	Selenium	0.79	U		P
7440-22-4	Silver	0.15	U		P
7440-23-5	Sodium	46.5	B		P
7440-28-0	Thallium	0.46	U		P
7440-62-2	Vanadium	5.8		E	P
7440-66-6	Zinc	67.9		*E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SED-3

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): SOIL Lab Sample ID: G2136-14

Level (low/med): MED Date Received: 11/15/2008

% Solids: 20.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5860		*	P
7440-36-0	Antimony	0.63	B	N	P
7440-38-2	Arsenic	4.2	B		P
7440-39-3	Barium	88.2		*E	P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	1.7		N*E	P
7440-70-2	Calcium	11700		*	P
7440-47-3	Chromium	9.6		E	P
7440-48-4	Cobalt	12.6		E	P
7440-50-8	Copper	32.4			P
7439-89-6	Iron	10900		E	P
7439-92-1	Lead	34.0		N*E	P
7439-95-4	Magnesium	4200		*E	P
7439-96-5	Manganese	908		*	P
7439-97-6	Mercury	0.074	B		CV
7440-02-0	Nickel	8.5	B		P
7440-09-7	Potassium	1010		*	P
7782-49-2	Selenium	2.7	U		P
7440-22-4	Silver	0.49	U		P
7440-23-5	Sodium	528			P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	36.4		E	P
7440-66-6	Zinc	71.3		*E	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SED-4

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): SOIL Lab Sample ID: G2136-16

Level (low/med): MED Date Received: 11/15/2008

% Solids: 38.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1790		*	P
7440-36-0	Antimony	0.42	B	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	177		*E	P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	15.8		N*E	P
7440-70-2	Calcium	8090		*	P
7440-47-3	Chromium	6.8		E	P
7440-48-4	Cobalt	7.0		E	P
7440-50-8	Copper	17.1			P
7439-89-6	Iron	7280		E	P
7439-92-1	Lead	34.3		N*E	P
7439-95-4	Magnesium	653		*E	P
7439-96-5	Manganese	11700		*	P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	6.3			P
7440-09-7	Potassium	281		*	P
7782-49-2	Selenium	3.3			P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	131			P
7440-28-0	Thallium	2.8			P
7440-62-2	Vanadium	7.4		E	P
7440-66-6	Zinc	110		*E	P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SW-1

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-11

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	6.0	B		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	31.8	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	1.5	B		P
7440-70-2	Calcium	14300			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	598			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3570			P
7439-96-5	Manganese	1610			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2250			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.98	B		P
7440-23-5	Sodium	19000			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	22.3	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SW-2

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-09

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	32.4	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	2.0	B		P
7440-70-2	Calcium	14300			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	675			P
7439-92-1	Lead	2.4	B		P
7439-95-4	Magnesium	3530			P
7439-96-5	Manganese	1560			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2320			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	19500			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	21.0	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SW-3

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-13

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	38.6	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.97	B		P
7440-70-2	Calcium	14000			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	772			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3440			P
7439-96-5	Manganese	1790			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2290			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.64	B		P
7440-23-5	Sodium	17700			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	16.4	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SW-4

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-15

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	4.6	U		P
7440-38-2	Arsenic	5.3	U		P
7440-39-3	Barium	31.9	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium	14000			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	741			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3490			P
7439-96-5	Manganese	1630			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2310			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	17800			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.96	U		P
7440-66-6	Zinc	9.7	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SW-51

Lab Name: Mitkem Laboratories Contract: 95900-04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG2136

Matrix (soil/water): WATER Lab Sample ID: G2136-12

Level (low/med): MED Date Received: 11/15/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.0	U		P
7440-36-0	Antimony	5.9	B		P
7440-38-2	Arsenic	5.6	B		P
7440-39-3	Barium	33.4	B		P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	14300			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.2	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	657			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	3550			P
7439-96-5	Manganese	1540			P
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	2330			P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.90	B		P
7440-23-5	Sodium	19300			P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	22.0	B		P

Comments: