FINAL
SEMIANNUAL SAMPLING REPORT
(June 2006 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

Prepared for:

SUPERFUND STANDBY PROGRAM
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1.0 INTRODUCTION

Past releases from the Dzus Fasteners facility in West Islip, New York (Site No. 1-52-033) resulted in the contamination of Willetts Creek and Lake Capri sediments downstream of the Dzus Facility. Earth Tech was tasked with collecting two rounds of semiannual samples from selected monitoring wells, and surface water/sediment samples from Lake Capri. This report presents the results from the first semiannual sampling effort conducted in June 2006.

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. To the southeast is Union Boulevard. On the southeast side of Union Boulevard is a shopping plaza and southeast of the shopping plaza is Willetts Creek. 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). Fish sample collection locations were identified in the field in conjunction with NYSDEC Fish and Wildlife staff at the time of collection as shown on Figure 2.

3.0 FIELD ACTIVITIES

The field sampling at the Dzus Site occurred on June 6 through June 8, 2006. Sampling was conducted in accordance with the Sampling and Analysis Plan (SAP) prepared by Earth Tech, dated April 2006. The SAP is comprised of the Field Sampling Plan (FSP), the Quality Assurance Project Plan (QAPP) and the Safe Work Plan (SWP). All field work was performed in Level D personal protection.

3.1 Water Level Survey

Prior to the start of sampling a synoptic round of water levels was collected from the 14 monitoring wells selected for sampling. Readings were recorded in the field notebook and on the Well Sampling Forms. The locations of the wells are presented in Table 1.

3.2 Groundwater Sampling

Fourteen wells were identified for long term monitoring at the Site. The selected wells included 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. Each location was photo-documented and a hand-held GPS unit was used to record the coordinates. The coordinates were recorded on the Well Sampling Forms.

Earth Tech used either a Honda centrifugal or a Waterra Hydrolift pump with black polyethylene tubing with a foot valve to purge each monitoring well prior to sampling. When the depth to water was too great for the centrifugal pump, the Waterra Hydrolift pump was used. Monitoring wells were purged of at least three casing volumes of water prior to sampling. Measurements of pH, specific conductance, temperature and turbidity were recorded on the Well Sampling Forms after each well volume was removed. Well Sampling Forms are provided in Appendix A. 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 Federal Express. 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 June 2006 semi-annual 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 to reach the lake bottom sediments. Excess water was decanted from the sediment sample prior to placement in the laboratory provided sample jars.

3.4 Fish Tissue Sample Collection

Earth Tech performed fish sampling in Lake Capri, West Islip, New York. The purpose of the sampling was to obtain edible-sized fish for cadmium analysis. In 1999, fish were removed from Lake Capri, as part of remedial activities. In 2000, after the completion of remedial activities, which included dredging of the lake's bottom, the lake was restocked with silversides; bluegill, *Lepomis macrochirus*; and largemouth bass, *Microptera salmoides*.

Lake Capri is located on the southern shore of Long Island. Lake Capri is approximately 150 meters (m) wide and 210 m long. The deepest point of the lake during the time of sampling was observed to be approximately 2.5 m in depth. At the shoreline, there is usually a vertical drop off approximately one meter in depth. The near vertical condition of the shoreline is likely a result of previous dredging activities. During the sampling event, thick growths of submerged aquatic vegetation were present throughout the lake. The lake is completely bordered by residential homes on its north, east, and west shoreline. The southern shoreline consists of a bulkhead structure that is adjacent to Route 25A (Montauk highway).

The lake is fed by Willetts Creek to the north. Willetts Creek is a north-south flowing, slow moving creek, about 5-7 meters wide and less than ten centimeters in depth. On the lake's southern boundary, there is an outlet from the lake that flows to Willetts Cove, a tidally influenced inlet. This outlet is a concrete weir and box culvert that flows under Route 25A.

Earth Tech obtained fish samples using collection techniques that would not influence the cadmium analysis. These techniques included electro shocking, gill nets, and traps (box and minnow). In order to collect the fish, Earth Tech applied for and received a NYSDEC collection license (#945). Sampling occurred on July 17, and July 18, 2006, and very hot (temperatures 35°+ Celsius [C]) were encountered on both days. The water temperature too at the surface was very warm, with a temperature of 32°C.

The initial plan called for the collection of 80, 100-gram samples from Lake Capri. Forty samples from the northern boundary of the lake near the mouth of Willetts Creek and 40 samples near the weir. However, due to very hot conditions, fish capture was much lower than anticipated. Also, on Tuesday, July 18, 2006, sampling ended circa 10:00AM due to a homeowner who requested that we remove ourselves from the lake. The homeowner indicated that the lake is private property and that NYSDEC had provided no advanced notice to the lake owners association, and that the authorities would be contacted if sampling did not cease immediately.

The fish samples that were collected were catalogued and preserved (on ice) as per NYSDEC instructions. The samples were then shipped to Pace Laboratory, a NYSDEC-certified laboratory, for cadmium analysis.

3.4.1 Fish Collection Methods

Several methods were employed to obtain the fish samples: electro shocking, gill nets, and traps. The gill net and trap locations were recorded with a global positioning system (GPS).

Electro shocking

Due to the lack of vehicular access ways to the lake from local roads, the use of a large boat outfitted with a commercial electro shocking device was not feasible. Instead, a backpack-mounted electro shocker was utilized. Due to the depths of the water, use of the backpack-mounted electro shocker was not feasible (on foot) due to the likelihood of submersion and safety concerns for the operator. Instead, one ecologist sat in a plastic boat with the electro shocker. The ecologist placed the cathodes and anode over the side of the vessel and attempted to electroshock; however, this proved unsuccessful. It is likely that the extreme heat of the day caused the fish to lie on the lake's bottom in order to find locations with cooler temperatures. Thus, if they were affected by the electrical output, they would be caught in the weeds and not float to the surface; thus not allowing them to be netted.

Gill Nets

A multi-sized mesh gill net was set in the lake on the evening of Monday, July 17 and checked the following morning. The net measured approximately 1.5 m in height and 15.2 m in length. The net was set in approximately 1.5 m of water. Two, 3-m long metal poles were obtained and driven into the lake bead, perpendicular to the waters surface. The net was then stretched between both poles, in order to catch fish. A GPS reading for the gill net's position was recorded at N40º 41' 46.1 and W73º 18' 1.5. On Tuesday morning, July 18, the net was retrieved and captured fish were processed for sampling on shore.

Traps

Box and minnow traps were used in the fish sampling efforts. Both traps were baited with frankfurters and cat food. Both baits have worked well in the past as they are high in lipids and/or give off a strong odor. Minnow traps were often placed under logs, ledges, and other overhangs that would attract small fish. Box traps, which are designed to catch larger fish, were placed in locations near the mouth of Willetts Creek and the weir.

After the traps were baited, they were checked periodically. Similar to the gill net, the traps too were set out over night. Traps were initially set just south of the mouth of Willetts Creek at N40º 41' 52.8 and W73º 18' 2.7 and near the weir N40º 41' 44.6 and W73º 18' 01.0. However due to low fish recovery on Monday, July 17, traps were then set all along the northern shoreline and the southern shoreline. Fish that were captured on Monday were kept alive in a trap overnight.

3.4.2 Sample Preparation and Shipment

On Tuesday morning, fish that were caught on Monday and Tuesday morning were removed from the water alive. The fish were identified to species, measured for length, and then weighed. The fish were grouped together by species, given a sample identification number, and placed in a plastic bag. The bag was then labeled with the sample number, and immediately placed in a cooler with ice. Later in the afternoon, the sample was shipped overnight to Pace Laboratory, a NYSDEC certified laboratory, for cadmium analysis.

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 Laboratory of Warwick, Rhode Island, a NYSDOH ELAP certified laboratory (ELAP certification number 11522). Data validation was not performed. An Earth Tech chemist provided a limited review of the data packages.

4.1 Monitoring Well Samples

Fourteen monitoring well samples were collected during the June 2006 sampling event. The monitoring well locations are presented on Figure 2. A summary of the detections is presented in Table 2. The full data is presented in Appendix B. The laboratory data summary packages are included in Appendix B. A summary of the exceedances is presented on Figure 3.

Monitoring well MW-1 yielded a concentration of cadmium of 23.9 microgram per liter (µg/L) which exceeds the Class GA criterion of 10 µg/L, iron of 13,200 µg/L which exceeds the criterion of 300 µg/L, sodium of 22,500 µg/L which exceeds the criterion of 20,000 µg/L, and thallium of 1.9 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-2 yielded a concentration of cadmium of 23.9 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 14,900 µg/L which exceeds the criterion of 300 µg/L, manganese of 518 µg/L which exceeds the criterion of 300 µg/L, sodium 21,500 µg/L which exceeds the criterion of 20,000 µg/L, and thallium of 2.3 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-3 yielded a concentration of iron of 14,900 µg/L which exceeds the Class GA criterion of 300 µg/L, manganese of 518 µg/L which exceeds the criterion of 300 µg/L, sodium of 21,500 µg/L which exceeds the criteria of 20,000 µg/L, and thallium of 2.5 µg/L which exceeds the limit of 0.5 µg/L.

Monitoring well MW-9 yielded a concentration of arsenic of 32.6 µg/L which exceeds the Class GA criterion of 25 µg/L, cadmium of 32.8 µg/L which exceeds the criterion of 10 µg/L, chromium of 125 µg/L which exceeds the criterion of 50 µg/L, iron of 21,600 µg/L which exceeds the criterion of 300 µg/L, and sodium 25,500 µg/L which exceeds the criterion of 20,000 µg/L.

Monitoring well MW-9B yielded a concentration of iron of 561 µg/L which exceeds the Class GA criterion of 300 µg/L.

Monitoring well MW-13A yielded a concentration of cadmium of 174 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 12,700 µg/L which exceeds the criterion of 300 µg/L, manganese of 9,560 µg/L which exceeds the criterion of 300 µg/L, sodium 94,500 µg/L which exceeds the criterion of 20,000 µg/L, and thallium of 44 which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-13B yielded a concentration of cadmium of 15 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 614 µg/L which exceeds the criterion of 300 µg/L, and manganese of 621 µg/L which exceeds the criterion of 300 µg/L.

Monitoring well MW-15A yielded a concentration of cadmium of 28.8 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 2,320 µg/L which exceeds the criterion of 300 µg/L, manganese of 370 µg/L which exceeds the criterion of 300 µg/L, and thallium of 1.9 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-15B yielded a concentration of iron of 4,780 µg/L which exceeds the Class GA criterion of 300 µg/L, sodium of 46,600 µg/L which exceeds the criterion of 20,000 µg/L, and thallium of 3 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-18 yielded a concentration of iron of 1,150 µg/L which exceeds the Class GA criteria of 300 µg/L, manganese of 6,270 µg/L which exceeds the criterion of 300 µg/L, and thallium of 26.5 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-22A yielded a concentration cadmium of 38.9 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 70,400 µg/L which exceeds the criterion of 300 µg/L, manganese of 1,280 µg/L which exceeds the criterion of 300 µg/L, and sodium of 95,200 which exceeds the criterion of 20,000 µg/L.

Monitoring well MW-22B yielded a concentration cadmium of 29 µg/L which exceeds the Class GA criteria of 10 µg/L, iron of 4,600 µg/L which exceeds the criterion of 300 µg/L, manganese of 2,310 µg/L which exceeds the criterion of 300 µg/L, and thallium of 20.1 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-23A yielded a concentration cadmium of 110 µg/L which exceeds the Class GA criterion of 10 µg/L, iron of 10,300 µg/L which exceeds the criterion of 300 µg/L, manganese of 1,100 µg/L which exceeds the criterion of 300 µg/L, sodium of 60,200 which exceeds the criterion of 20,000 µg/L and thallium of 9.3 µg/L which exceeds the criterion of 0.5 µg/L.

Monitoring well MW-23B yielded a concentration antimony 3.2 µg/L which exceeds the Class GA criteria of 3 µg/L, cadmium of 320 which exceeds the criterion of 5 µg/L, chromium of 74.9 µg/L which exceeds the criterion of 50 µg/L, iron of 8,220 µg/L which exceeds the criterion of 300 µg/L, lead of 35.7 which exceeds the criterion of 25 µg/L, manganese of 548 µg/L which exceeds the criterion of 300 µg/L, and thallium of 3.1 µg/L which exceeds the criterion of 0.5 µg/L.

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 3. The full data is presented in Appendix B. The laboratory data packages are included in Appendix B. A summary of the exceedances is presented on Figure 4.

Surface water sample SW-1 was collected on the north end of Lake Capri near the mouth of Willetts Creek and yielded a concentration iron of 691 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 1,050 µg/L which exceeds the criterion of 300 µg/L.

Surface water sample SW-2 was collected on the north end of Lake Capri near the mouth of Willets Creek (and just south of SW-1) and yielded a concentration iron of 619 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 1,010 µg/L which exceeds the criterion of 300 µg/L.

Surface water sample SW-3 was collected on the south end of Lake Capri just west of the spill way and yielded a concentration iron of 788 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 882 µg/L which exceeds the criterion of 300 µg/L.

Surface water sample SW-4 was collected on the south end of Lake Capri just east of the spill way and yielded a concentration iron of 610 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 786 µg/L which exceeds the criterion of 300 µg/L.

Surface water sample SW-5 was collected from Willetts Creek just south of the footbridge behind the high school and yielded a concentration iron of 632 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 1,420 µg/L which exceeds the criterion of 300 µg/L, and sodium of 21,100 µg/L which exceeds the criterion of 20,000 µg/L.

Surface water sample SW-6 was collected from Willetts Creek just south of the Blockbuster Video store in the small shopping center and yielded a concentration iron of 5,400 µg/L which exceeds the Class A criterion of 300 µg/L, manganese of 26,100 µg/L which exceeds the criterion of 300 µg/L, and sodium of 29,200 µg/L which exceeds the criterion of 20,000 µg/L. At the time of the sampling event, Earth Tech observed a rusty color in the water and excessive reddish algae growth. This portion of the creek also appears to be subject to frequent littering and dumping.

Concentrations of iron manganese were identified in all six surface water samples collected. In addition to the iron and manganese, sodium was identified in samples SW-5 and SW-6. The highest concentration of each contaminant was found in sample SW-6 which was collected in Willetts Creek just south of the Blockbuster Video store in the small shopping center.

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. A summary of the detections is presented in Table 4. The full data is presented in Appendix B. The laboratory data packages are included in Appendix B. A summary of the exceedances is presented on Figure 5.

Sample SED-1 yielded an arsenic concentration of 7.9 milligram per kilograms (mg/kg) which exceeds the NYSDEC Technical Guidance for Sediment Criterion of 6.0 mg/kg, cadmium of 47.8 mg/kg which exceeds the criterion of 0.6 mg/kg, copper of 38.6 mg/kg which exceeds the criterion of 16 mg/kg, lead of 170 mg/kg which exceeds the criterion of 31 mg/kg, manganese of 1,290 mg/kg which exceeds the criterion of 460 mg/kg, mercury of 0.21 mg/kg which exceeds the criterion of 0.15 mg/kg, and zinc of 215 mg/kg which exceeds the criterion of 120 mg/kg.

Sample SED-2 yielded an arsenic concentration of 19.7 mg/kg which exceeds the NYSDEC Technical Guidance for Sediment Criterion of 6.0 mg/kg, cadmium of 133 mg/kg which exceeds the criterion of 0.6 mg/kg, chromium of 33.7 mg/kg which exceeds the criterion of 0.6 mg/kg, copper of 210 mg/kg which exceeds the criterion of 16 mg/kg, lead of 315 mg/kg which exceeds the criterion of 31 mg/kg, mercury of 0.45 mg/kg which exceeds the criterion of 0.15 mg/kg, nickel of 17.6 mg/kg which exceeds the criterion of 16 mg/kg, and zinc of 402 mg/kg which exceeds the criterion of 120 mg/kg.

Sample SED-3 yielded a cadmium concentration of 1.5 mg/kg which exceeds the NYSDEC Technical Guidance for Sediment Criterion of 0.6 mg/kg.

Sample SED-4 yielded a cadmium concentration of 32.3 mg/kg which exceeds the NYSDEC Technical Guidance for Sediment Criterion of 0.6 mg/kg, copper of 21.6 mg/kg which exceeds the criterion of 16 mg/kg, lead of 71.2 mg/kg which exceeds the criterion of 31 mg/kg, manganese of 837 mg/kg which exceeds the criterion of 460 mg/kg, and zinc of 122 mg/kg which exceeds the criterion of 120 mg/kg.

Sample SED-5 yielded no concentrations in excess of the NYSDEC Technical Guidance for Sediment

Criterion.

Sample SED-6 yielded a copper concentration of 21.6 mg/kg which exceeds the NYSDEC Technical Guidance for Sediment Criterion of 16 mg/kg.

4.4 Fish Tissue Samples

The target was for each sample to weigh at least 100 grams. For some samples this was not possible due to low recovery of fish. Some samples consisted of one individual fish and other samples consisted of numerous small fish. The length and weight of each fish that comprises each sample is provided in Appendix C.

A total of four species comprised of 62 individual fish were obtained from Lake Capri. The species included American eel, bluegill, largemouth bass, and pumpkinseed, *Lepomis gibbosus.* The lengths of the fish ranged from 3 centimeters (cm) to 37.75 cm. The weight of each individual fish ranged from less than 1 gram (g) to 700 g. The total length and weight of each sample is provided in Table 5.

Cadmium analysis on the fish samples was performed by Pace Laboratories in Wisconsin. The samples were prepared in accordance with NYSDEC guidelines and cadmium was analyzed using the SW846 M3050 preparation method and the SW846 6020 analysis method. The Pace Analytical Laboratory data summary package is included in Appendix B. Table 6 provides the results of each sample.

Cadmium concentrations varied from 28 micrograms per kilogram (µg/kg) to 270 µg/kg. For several samples (i.e., North 2, South 3, and South 4) the concentration was at the MDL (minimum detection limit) for the cadmium analysis.

5.0 SUMMARY AND RECOMMENDATIONS FOR FUTURE SITE REMEDIATION ACTIVITIES

Based on a review of the groundwater analytical data, concentrations of metals in the groundwater remain above the NYSDEC Groundwater Criteria. Cadmium and thallium were present in 10 of 14 monitoring wells at concentrations above their respective Class GA criterion. Most monitoring well samples had exceedances of iron, manganese and sodium; however, as these are common elements, they most likely represent background conditions. There were also one or two exceedances of antimony, arsenic, chromium, lead and vanadium in MW-9 and MW-23D. These do not appear to be related to the Dzus Fasteners Site.

Iron and manganese were present in all six surface water samples above the Class A surface water standards. Sodium was also present above the criterion in two samples. The highest concentrations were found in the stream behind the Blockbuster Video Store. The second highest concentrations were detected in the sample collected just south of the foot bridge behind West Islip High School. As these are common elements, they most likely represent background conditions.

The sediment samples indicate that the sediments in the bottom of Lake Capri remain contaminated with metals above the applicable NYSDEC Technical Guidance for Sediment Criteria. Of the four sediment samples from Lake Capri, all four had exceedances of cadmium, three had exceedances of copper and zinc, two had exceedances of arsenic and mercury and one had exceedances of chromium and nickel. The highest concentrations appear to be located near the north end of Lake Capri near the mouth of Willetts Creek. There was one exceedance of copper in the two sediment samples from Willetts Creek.

Fish tissue samples were analyzed for cadmium. Only samples South 1, South 2, and North 1 were comprised of edible sized fish. These samples also had cadmium concentrations of 28, 28, and 80 µg/kg, respectively. The higher concentrations recorded in the other samples, which often consisted of yearlings, ranged from 39 µg/kg to 270 µg/kg. However, this range may be a result of the low weights of the samples, which are all below the 100 g sample requirement, and that the samples contain whole body analysis not just fillets.

Due to the small numbers of collected fish, it is not possible to statistically analyze the results. However, a review of the data shows that there is no discernable trend regarding differences in cadmium concentrations between the north and south locations. No variation in species was observed. The NYSDOH fish advisory for cadmium in Lake Capri fish tissue is 1 mg/kg in carp. As noted in the Table in Appendix C, there were no carp caught during the July collection event. However, all of the sample results for any species were well below the 1 mg/kg advisory limit.

Based on the findings of this sampling event, Earth Tech recommends another round of sampling of the wells at the facility to further assess the groundwater trends. Furthermore, Earth Tech recommends a second round of surface water sampling to attempt to identify potential sources of surface water contaminants which might be related to the dumping activities observed behind the Blockbuster Video Store which might be impacting the observed surface water contaminant concentrations. A second round of fish tissue sampling in Lake Capri is also recommended.

TABLE 1
DZUS FASTENERS SITE
MONITORING WELL LOCATIONS

Well ID	Latitude	Longitude	Comments
MW-1	40° 42.49	73° 18.10	Located in the grassy area just north of the parking lot between the main building and the shed
MW-2	40° 42.45	73° 18.10	Located in the grassy area just south of the western parking lot
MW-3	40° 42.49	73° 18.02	In grass in front of the eastern half on the Dzus building
MW-9	40° 42.50	73° 18.02	In driveway on eastern end of Dzus building
MW-9B	40° 42.49	73° 18.01	In driveway on eastern end of Dzus building
MW-13B	40° 42.43	73° 17.99	In parking lot on eastern end of the shopping center
MW-13A	40° 42.44	73° 17.100	In parking lot on eastern end of the shopping center
MW-15A	40° 42.49	73° 17.97	In parking lot in front of hardware store in the smaller shopping center
MW-15B	40° 42.50	73° 17.96	In parking lot in front of hardware store in the smaller shopping center
MW-22A	40° 42.491	73° 17.941	In grass to the east of Block Buster video store
MW-22B	40° 42.491	73° 17.941	In grass to the east of Block Buster video store
MW-23A	40° 42.402	73° 17.991	In eastern parking lot behind the shopping center
MW-23B	40° 42.403	73° 17.987	In eastern parking lot behind the shopping center
HSMW-1	40° 42.140	73° 18.110	Located on the north side of West Islip High School along the fence line near the back parking lot

TABLE 2
DZUS FASTENERS SITE
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-2		MW-3		MW-9		MW-9B		MW-13A		MW-13B		MW-15A	
Sample ID	Class GA	MW-1		MW-2		MW-3		MW-9		MW-9B		MW-13A		MW-13B		MW-15A	
Laboratory ID	Groundwater	E0773-05A		E0773-10A		E0773-07A		E0773-09A		E0773-08A		E0773-13A		E0773-14A		E0773-03A	
Sample Date	Criteria	6/8/06		6/7/06		6/8/06		6/8/06		6/8/06		6/8/06		6/8/06		6/7/06	
Matrix	water	water		water		water		water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	4,180		7,090		5,650		16,800		213		15,000		330		773	
Antimony	3	ND		ND		ND		ND		1.8	B	ND		ND		ND	
Arsenic	25	4.3	B	3.9	B	2.9	B	***32.6***		ND		5.7	B	ND		ND	
Barium	1,000	80.2	B	96.5	B	90.9	B	102	B	45.5	B	176	B	54.3	B	53.7	B
Beryllium	3	0.42	B	0.4	B	0.26	B	0.63	B	ND		0.53	B	ND		ND	
Cadmium	5	***23.9***		4.2	B	***77.4***		***32.8***		2.9	B	***174***		***15***		***28.8***	
Calcium	NC	8,790		15,500		17,800		16,000		10,800		37,900		10,700		18,900	
Chromium	50	8	B	8.8	B	9.2	B	***125***		2.2	B	12.9	B	27.8		3	B
Cobalt	NC	5.1	B	18.3	B	4.4	B	5.2	B	2.6	B	55.8		3.9	B	3.2	B
Copper	200	18.3	B	19.3	B	16.1	B	62.3		28.8	B	34.3		19.3	B	38	
Iron	300	***13,200***		***14,900***		***4,430***		***21,600***		***561***		***12,700***		***614***		***2,320***	
Lead	25	3.9	B	14.7		ND		11.6		ND		5.7	B	ND		9.9	B
Magnesium	35,000	3,010		3,740		4,160		3,170		1,640		5,580		1,710		3,170	
Manganese	300	210		***518***		***423***		151		211		***9,560***		***621***		***370***	
Mercury	0.7	ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	8.7	B	13.3	B	6.8	B	18.3	B	8.6	B	9.4	B	9.8	B	7.1	B
Potassium	NC	1,760		2,140		2,630		3,270		2,140		7,430		2,410		2,090	
Selenium	10	ND		1.4	B	ND		2.7	B	ND		ND		ND		ND	
Silver	50	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	20,000	***22,500***		***21,500***		***27,700***		***25,500***		8,070		***94,500***		7,880		18,000	
Thallium	0.5	***1.9 B***		***2.3 B***		***2.5 B***		ND		ND		***44***		ND		***1.9 B***	
Vanadium	NC	7.8	B	11.9	B	8.1	B	33.1	B	ND		17.6	B	1.3	B	2.6	B
Zinc	2,000	244		138		87		170		83.7		53.3		45.9	B	155	

NC - No Criteria
ND - Not Detected
B - Estimated value

TABLE 2
DZUS FASTENERS SITE
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-15B		MW-18		MW-22A		MW-22B		MW-23A		MW-23B	
Sample ID	Class GA	MW-15B		MW-18		MW-22A		MW-22B		MW-23A		MW-23B	
Laboratory ID	Groundwater	E0773-04A		E0773-06A		E0773-11A		E0773-12A		E0773-01A		E0773-02A	
Sample Date	Criteria	6/7/06		6/8/06		6/7/06		6/7/06		6/7/06		6/7/06	
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	224		1,430		4320		763	B	941		2,450	
Antimony	3	ND		ND		1.7	B	ND		1.8	B	***3.2***	B
Arsenic	25	1.7	B	ND		16	B	ND		2	B	4.1	B
Barium	1,000	83.6	B	168	B	167	B	76.6	B	87.5	B	215	
Beryllium	3	ND		ND		0.15	B	ND		ND		0.21	B
Cadmium	5	3.6	B	3	B	***38.9***		***29***	B	***110***		***320***	
Calcium	NC	16,400		13,900		52,100		12,800		34,200		21,500	
Chromium	50	2.1	B	2.2	B	18	B	7.9	B	3.6	B	***74.9***	
Cobalt	NC	5.5	B	7.3	B	2.2	B	17.4	B	3.2	B	4.8	B
Copper	200	20.4	B	17.7	B	32.3		118	B	33.2		94.6	
Iron	300	***4,780***		***1,150***		***70,400***		***4,600***		***10,300***		***8,220***	
Lead	25	3.3	B	ND		8.6	B	8.6	B	ND		***35.7***	
Magnesium	35,000	5,930		2,340		8,300		2,660	B	6,660		1,890	
Manganese	300	239		***6,270***		***1,280***		***2,310***		***1,100***		***548***	
Mercury	0.7	ND		ND		ND		ND		0.065	B	0.11	B
Nickel	100	11.5	B	17.5	B	6	B	28	B	9.3	B	68.8	
Potassium	NC	2,450		1,520		4,560		3,000	B	7,070		2,400	
Selenium	10	ND		ND		8.7	B	ND		1.3	B	ND	
Silver	50	ND		ND		ND		ND		0.92	B	ND	
Sodium	20,000	***46,600***		7,870		***95,200***		8,170	B	***60,200***		2,390	
Thallium	0.5	***3***	***B***	***26.5***		ND		***20.1***	B	***9.3***	B	***3.1***	***B***
Vanadium	NC	0.72	B	2.6	B	17.4	B	ND		5.5	B	17.7	B
Zinc	2,000	129		235		1,650		194	B	181		417	

NC - No Criteria
ND - Not Detected
B - Estimated value

TABLE 3
DZUS FASTENERS SITE
SUMMARY OF TAL METALS IN LAKE CAPRI 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		SW-5		SW-6	
Laboratory ID	Surface Water	E0868-01A		E0868-03A		E0868-05A		E0868-07A		E0868-09A		E0868-11A	
Sample Date	Criteria	6/21/06		6/21/06		6/21/06		6/21/06		6/21/06		6/21/06	
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	31.9	B	16.8	B	69.5	B	ND		15.3	B	40.5	B
Antimony	3	ND		ND		ND		ND		1.5	B	ND	
Arsenic	50	ND		ND		ND		ND		ND		ND	
Barium	1,000	13.2	B	12.2	B	7.9	B	5.7	B	36.9	B	35.5	B
Beryllium	3	ND		ND		ND		ND		ND		ND	
Cadmium	5	1.1	B	1	B	1.9	B	0.89	B	5.7		0.55	B
Calcium	NC	15,100		14,900		15,200		14,600		14,400		26,700	
Chromium	50	0.6	B	0.52	B	0.58	B	ND		ND		0.99	B
Cobalt	NC	0.94	B	0.92	B	0.72	B	0.37	B	0.82	B	3.1	B
Copper	200	8.9	B	ND		ND		11.7	B	ND		ND	
Iron	300	***691***		***649***		***788***		***610***		***632***		***5,400***	
Lead	50	ND		ND		0.92	B	ND		ND		ND	
Magnesium	35,000	3,500		3,490		3,540		3,510		3,550		5,130	
Manganese	300	***1,050***		***1,010***		***882***		***786***		***1,420***		***2,610***	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	1.3	B	1.1	B	0.96	B	0.6	B	0.98	B	1.4	B
Potassium	NC	2,000		1,990		2,000		1,950		2,080		2,230	
Selenium	10	ND		ND		ND		ND		ND		ND	
Silver	50	1.8	B	1.6	B	1.3	B	ND		ND		ND	
Sodium	20,000	18,500		18,100		18,300		18,100		***21,100***		***29,200***	
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NC	0.78	B	ND		0.7	B	ND		ND		1.1	B
Zinc	2,000	22.4	B	15.6	B	21.5	B	20.2	B	22	B	35.6	B

NC - No Criteria
ND - Not Detected
B - Estimated value

TABLE 4
DUZS FASTENERS SITE
SUMMARY OF TAL METALS IN LAKE CAPRI 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	SED-5	SED-6
Laboratory ID	Guidance for		E0868-02A	E0868-04A	E0868-06A	E0868-08A	E0868-10A	E0868-12A
Sample Date	Sediment Criteria		6/21/06	6/21/06	6/21/06	6/21/06	6/21/06	6/21/06
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	5,020	15,500	690	2,730	1,060	1,030
Antimony	2.0	25	0.7 B	0.92 B	ND	0.22 B	0.074 B	0.076
Arsenic	6.0	33	***7.9***	***19.7***	0.31 B	3.4	0.6 B	0.97
Barium	NC	NC	81.2	89.8	6.7	41.5	12.1	7.4
Beryllium	NC	NC	0.5 B	1.2	0.047 B	0.2 B	0.083 B	0.094
Cadmium	0.6	9	***47.8***	***133***	***1.5***	***32.3***	0.43	0.23
Calcium	NC	NC	2,540	2,860	104	588	228	4,760
Chromium	26	110	20.7	***33.7***	1.5	8.6	3.8	2.4
Cobalt	NC	NC	7.6	12.1	0.66 B	4.9	1.2 B	1.8
Copper	16	110	***38.6***	***210***	2.7	***21.6***	4.7	***28.3***
Iron	2%	4%	10,300	***20,300***	920	4,450	3,400	3,290
Lead	31	110	***170***	***315***	9.2	***71.2***	7.9	7.9
Magnesium	NC	NC	1,300	1,510	121	352	604	2,930
Manganese	460	1,100	***1,290***	153	89.8	***837***	174	102
Mercury	0.15	1.3	***0.21***	***0.45***	0.016 B	0.096	0.016 B	0.036 B
Nickel	16	50	11.4	***17.6***	1.6 B	6	1.6	1.8
Potassium	NC	NC	514	555	115	145	135	118
Selenium	NC	NC	1.6 B	2.2 B	0.2 B	0.76 B	0.28 B	ND
Silver	1.0	2.2	ND	0.33 B	ND	ND	ND	ND
Sodium	NC	NC	117	143	13.7 B	35.4 B	18.3 B	24.9 B
Thallium	NC	NC	5.8	0.39 B	0.33 B	3.7	0.56 B	0.25 B
Vanadium	NC	NC	29.4	55.9	1.8	9.2	5.6	9.9
Zinc	120	270	***215***	***402***	10	***122***	13.2	17.2

NC - No Criteria
ND - Not Detected
B - Estimated value

TABLE 5
DZUS FASTENERS SITE

LAKE CAPRI FISH SAMPLES

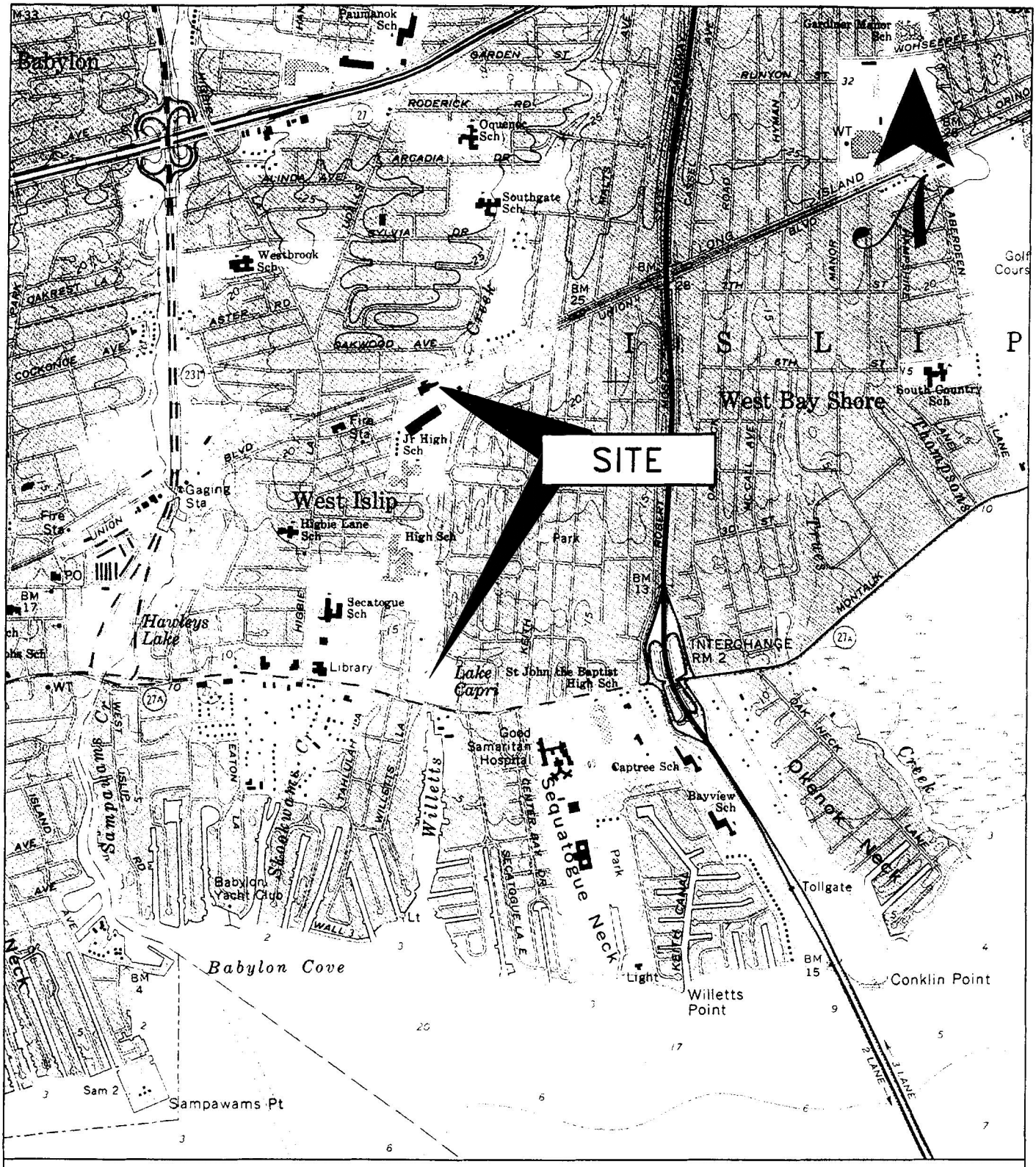
Sample	Common name	Scientific Name	Total Length (cm)	Total Weight (g)
South 1	Largemouth bass	*Microptera salmoides*	37.8	700
South 2	Largemouth bass	*Microptera salmoides*	26	240
South 3*	Bluegill	*Lepomis macrochirus*	22.7	24**
South 4*	Largemouth bass	*Microptera salmoides*	12.5	6**
North 1	Pumpkinseed	*Lepomis gibbosus*	16.5	110
North 2	Pumpkinseed	*Lepomis gibbosus*	10.5	24**
North 3	Bluegill	*Lepomis macrochirus*	17.3	124
North 4	Bluegill	*Lepomis macrochirus*	14	61**
North 5	American eel	*Anguilla rostrata*	30	51**
North 6*	Pumpkinseed	*Lepomis gibbosus*	79.2	61**
North 7*	Largemouth bass	*Microptera salmoides*	101.8	30**
North 8*	Bluegill	*Lepomis macrochirus*	103.9	60**

Notes: * Sample comprised of more than one individual.
** Total sample weight below the 100g, the minimum sample requirement.

TABLE 6
DZUS FASTENERS SITE

CADMIUM ANALYTICAL RESULTS IN FISH TISSUE

Sample	Cadmium Concentration (µg/Kg) Wet
South 1	28
South 2	28
South 3*	190
South 4*	270
North 1	80
North 2	120
North 3	39
North 4	76
North 5	120
North 6*	130
North 7*	160
North 8*	140
Notes: * Sample comprised of more than one individual.	



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

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

Site Plan- June 2006

Legend

- Existing Monitoring Well
- Missing Monitoring Well
- ▼ Surface Water and Sediment Sample Location

N

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Multisite G	PROJECT NO. 87616.03	DWG NO. 2	REV 1
Dzus Fasteners	SCALE Not to Scale	SHEET	

MW-1	
Cadmium	23.9
Iron	13,200
Sodium	22,500
Thallium	1.9

MW-2	
Iron	14,900
Manganese	518
Sodium	21,500
Thallium	2.5

MW-3	
Cadmium	77.4
Iron	4,430
Manganese	423
Sodium	27,700
Thallium	2.5

MW-9	
Arsenic	32.6
Cadmium	32.8
Chromium	125
Iron	21,600
Sodium	25,500

MW-9B	
Iron	561

MW-22B	
Cadmium	29
Iron	4,600
Manganese	2
Thallium	20.1

MW-22A	
Cadmium	38.9
Iron	70,400
Manganese	1280
Sodium	95,200

MW-15B	
Iron	4,780
Sodium	46,600
Thallium	3

MW-15A	
Cadmium	28.8
Iron	2,320
Manganese	370
Thallium	1.9

MW-23A	
Cadmium	110
Iron	10,300
Manganese	1,100
Sodium	60,200
Thallium	9.3

MW-13B	
Cadmium	15
Iron	614
Manganese	621

MW-13A	
Cadmium	174
Iron	12,700
Manganese	9,560
Sodium	94,500
Thallium	44

MW-23B	
Antimony	3.2
Cadmium	320
Chromium	74
Iron	8,220
Lead	35.7
Manganese	548
Thallium	25,500

MW-18	
Iron	1,150
Manganese	6,270
Thallium	26.5

Legend

- Existing Monitoring Well
- Missing Monitoring Well

Note -
All results in micrograms per liter (ug/L)

Summary of TAL Metals in Groundwater - June 2006

N

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Multisite G	PROJECT NO. 95900.03	DWG NO. Figure 3	REV 1
Dzus Fasteners	SCALE Not to Scale	SHEET	

SED-6
SW-6

SW-6	
Iron	5,400
Manganese	2,610
Sodium	29,200

SED-5
SW-5

SW-5	
Iron	632
Manganese	1,420
Sodium	21,100

Willets Creek

SW-1	
Iron	691
Manganese	1,050

SED-1
SW-1

SED-2
SW-2

SW-2	
Iron	649
Manganese	1,010

Lake Capri

Gil Net

SED-3
SW-3

SED-4
SW-4

SW-3	
Iron	788
Manganese	882

SW-4	
Iron	610
Manganese	786

Legend

- Existing Monitoring Well
- Missing Monitoring Well
- ▼ Surface Water and Sediment Sample Location

Note -
All results in micrograms per liter (ug/L)

Summary of TAL Metals in Surface Water - June 2006

N

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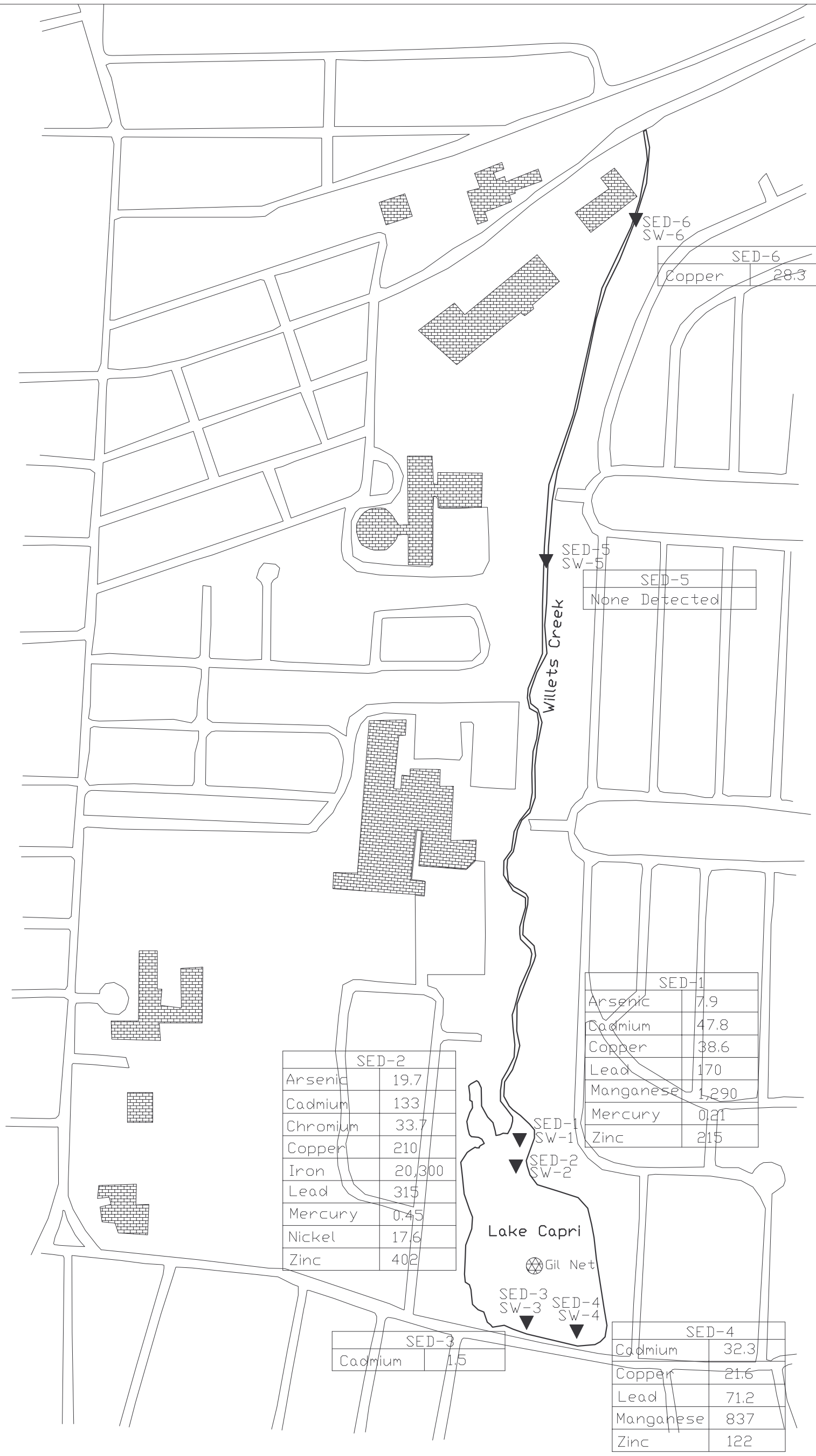
Multi Site G	PROJECT NO. 95900.03	DWG NO. Figure 4	REV 1
Dzus Fasteners	SCALE Not to Scale	SHEET	



Summary of TAL Metals in Sediments - June 2006

Legend

- Existing Monitoring Well
- Missing Monitoring Well
- Surface Water and Sediment Sample Location

Note -
All results in milligrams per kilogram (mg/kg)

N

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Multi Site G	PROJECT NO. 95900.03	DWG NO. Figure 5	REV 1
Dzus Fasteners	SCALE Not to Scale	SHEET	

APPENDIX A

WELL SAMPLING FORMS

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WELL NO. MW-1

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **1.15** WELL TD: **15.06** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	8		14.5	0.138	6.09	5.47	247.8	46	
12:00			13.79	0.138	6.77	5.59	226.7	20	Purge Volume 3.456 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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A tyco International Ltd. Company

WELL NO. MW-2

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **1.00** WELL TD: **14.3** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	8.15		14.79	0.206	3.4	5.95	193.1	1.23	
14:35			14.34	0.172	6.01	5.97	119.1	1.79	Purge Volume 3.0 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-3

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: **15.03** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	5.77		16.65	0.193	7.19	5.8	227.4	1.8	
9:20			16.1	0.226	6.44	5.76	229.1	1.6	

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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WELL NO. MW-9

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **1.19** WELL TD: **11.93** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	4.59		17.5	0.067	7.75	6.72	183.3	4.52	
8:50			16.61	0.202	7.5	6.04	211.8	2.68	Purge Volume 3.59 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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WELL NO. MW-9B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **6.48** WELL TD: **44.22** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	4.5		18.19	0.089	7.03	5.91	222.8	2.37	
9:10			15.8	0.15	3.96	5.66	235.8	1.06	Purge Volume 19.44 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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WELL NO. MW-13A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: **10.65** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS: Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	REMARKS
	2.59		19.07	0.342	2.72	6.62	196.9	110	
7:50			17.1	0.622	2.32	6.86	232.7	92	

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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WELL NO. MW-13B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: **44.95** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	2.39		16.2	0.101	8.49	6.63	226.4		
8:04			15.53	0.098	5.55	5.77	238		

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

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WELL NO. MW-15A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **3.754** WELL TD: **28.55** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	5.48		15.97	0.186	1.16	5.68	188.3	3.27	
11:42			14.54	0.18	4.8	5.99	180.9	1.62	Purge Volume 11.26 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-15B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **12.88** WELL TD: **84.31** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	5.35		15.95	0.305	2.79	5.34	178.3	3.85	
11:15	5.41		14.25	0.297	2.92	5.43	189	1.67	Purge Volume 38.659 gal

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-18

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/8/06	DATE WELL COMPLETED: 6/8/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **0.898** WELL TD: **13.43** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	7.93		14.68	0.099	7.74	6.16	217.5	4.86	
11:15			13.63	0.111	4.19	6.11	218.2	2.2	Purge Volume 2.693 gal

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-22A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: **14.4** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	6		13.65	0.615	2.54	6.31	19.1	1.36	
9:50			13.27	0.677	2.76	6.43	23.2	1.41	Duplicate

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-22B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: **14.4** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	5.82		14.1	0.106	5.84	5.6	184.1	1.38	
10:00			14.32	0.104	5.76	5.43	180.6	1.25	MS
									MSD

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-23A

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **1.628** WELL TD: **14.57** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	4.59		17.45	0.404	1.4	6.43	3.6	170	
9:30			17	0.449	3.17	6.3	18.5		Purge Volume 4.886 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. MW-23B

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/7/06	DATE WELL COMPLETED: 6/7/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : **6.55** WELL TD: **44.67** PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
	4.51		18.62	0.056	6.68	6.86	75.4	200	
9:40			16.56	0.048	6.45	6.52	62.4	12.3	Purge Volume 19.66 gal.

Pump Type: Centrifugal pump with black poly tubing

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-1

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
9:05			22.4	0.2	12.06	7.04	90.8		

Pump Type: grab sample

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-2

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
9:35			17.55	0.193	15.26	7.42	102.3		

Pump Type: grab sample

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-3

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
10:20			23.34	0.199	14.52	8.06	72.2		

Pump Type: grab sample

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-4

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF SHEETS: 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
11:00			23.4	0.199	17.01	8.33	88.8		Duplicate
									MS
									MSDS

Pump Type: grab sample

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-5

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
11:50			16.5	0.19	6.97	7.08	90.2		

Pump Type: grab sample

Analytical Parameters: TAL Metals

EarthTech

A tyco International Ltd. Company

WELL NO. SW-6

WELL SAMPLING FORM	PROJECT: MULTI SITE-G	PROJECT No.: 87616 / 03	SHEET: 1 OF 1
LOCATION: Dzus Fasteners, West Islip, NY, #1-52-033		DATE WELL STARTED: 6/21/06	DATE WELL COMPLETED: 6/21/06
CLIENT: New York State Department of Environmental Conservation		NAME OF INSPECTOR: Kevin Seise, Jason Klein	
DRILLING COMPANY:		SIGNATURE OF INSPECTOR:	

ONE WELL VOLUME : WELL TD: PUMP INTAKE DEPTH:

Time	Depth to Water (ft)	Purge Rate (ml/min)	FIELD MEASUREMENTS						REMARKS
			Temp. (C)	Conduct. (ms/cm)	DO (mg/L)	pH	ORP	Turbidity (ntu)	
13:10			18.75	0.323	6.25	6.97	18.1		

Pump Type: grab sample

Analytical Parameters: TAL Metals

APPENDIX B

DATA SUMMARY PACKAGES

APPENDIX B TABLE 1
DZUS FASTENERS SITE
TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1		MW-2		MW-3		MW-9		MW-9B		MW-13A	
Sample ID	Class GA	DF-MW-1		DF-MW-2		DF-MW-3		DF-MW-9		DF-MW-9B		DF-MW-13A	
Laboratory ID	Groundwater	E0773-05A		E0773-10A		E0773-07A		E0773-09A		E0773-08A		E0773-13A	
Sample Date	Criteria	6/8/06		6/7/06		6/8/06		6/8/06		6/8/06		6/8/06	
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	4,180		7,090		5,650		16,800		213		15,000	
Antimony	3	20	U	20	U	20	U	20	U	1.8	B	20	U
Arsenic	25	4.3	B	3.9	B	2.9	B	32.6		20	U	5.7	B
Barium	1,000	80.2	B	96.5	B	90.9	B	102	B	45.5	B	176	B
Beryllium	3	0.42	B	0.4	B	0.26	B	0.63	B	5	U	0.53	B
Cadmium	10	23.9		4.2	B	77.4		32.8		2.9	B	174	
Calcium	NC	8,790		15,500		17,800		16,000		10,800		37,900	
Chromium	50	8	B	8.8	B	9.2	B	125		2.2	B	12.9	B
Cobalt	NC	5.1	B	18.3	B	4.4	B	5.2	B	2.6	B	55.8	
Copper	200	18.3	B	19.3	B	16.1	B	62.3		28.8	B	34.3	
Iron	300	13,200		14,900		4,430		21,600		561		12,700	
Lead	25	3.9	B	14.7		10	U	11.6		10	U	5.7	B
Magnesium	35,000	3,010		3,740		4,160		3,170		1,640		5,580	
Manganese	300	210		518		423		151		211		9,560	
Mercury	0.7	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Nickel	100	8.7	B	13.3	B	6.8	B	18.3	B	8.6	B	9.4	B
Potassium	NC	1,760		2,140		2,630		3,270		2,140		7,430	
Selenium	10	30	U	1.4	B	30	U	2.7	B	30	U	30	U
Silver	50	30	U	30	U	30	U	30	U	30	U	30	U
Sodium	20,000	22,500		21,500		27,700		25,500		8,070		94,500	
Thallium	0.5	1.9	B	2.3	B	2.5	B	20	U	20	U	44	
Vanadium	NC	7.8	B	11.9	B	8.1	B	33.1	B	50	U	17.6	B
Zinc	2,000	244		138		87		170		83.7		53.3	

APPENDIX B TABLE 1
DZUS FASTENERS SITE
TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13B		MW-15A		MW-15B		MW-18		MW-22A	
Sample ID	Class GA	DF-MW-13B		DF-MW-15A		DF-MW-15B		DF-MW-18		DF-MW-22A	
Laboratory ID	Groundwater	E0773-14A		E0773-03A		E0773-04A		E0773-06A		E0773-11A	
Sample Date	Criteria	6/8/06		6/7/06		6/7/06		6/8/06		6/7/06	
Matrix	water	water		water		water		water		water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	330		773		224		1,430		4,320	
Antimony	3	20	U	20	U	20	U	20	U	1.7	B
Arsenic	25	20	U	20	U	1.7	B	20	U	16	B
Barium	1,000	54.3	B	53.7	B	83.6	B	168	B	167	B
Beryllium	3	5	U	5	U	5	U	5	U	0.15	B
Cadmium	10	15		28.8		3.6	B	3	B	38.9	
Calcium	NC	10,700		18,900		16,400		13,900		52,100	
Chromium	50	27.8		3	B	2.1	B	2.2	B	18	B
Cobalt	NC	3.9	B	3.2	B	5.5	B	7.3	B	2.2	B
Copper	200	19.3	B	38		20.4	B	17.7	B	32.3	
Iron	300	614		2,320		4,780		1,150		70,400	
Lead	25	10	U	9.9	B	3.3	B	10	U	8.6	B
Magnesium	35,000	1,710		3,170		5,930		2,340		8,300	
Manganese	300	621		370		239		6,270		1,280	
Mercury	0.7	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Nickel	100	9.8	B	7.1	B	11.5	B	17.5	B	6	B
Potassium	NC	2,410		2,090		2,450		1,520		4,560	
Selenium	10	30	U	30	U	30	U	30	U	8.7	B
Silver	50	30	U	30	U	30	U	30	U	30	U
Sodium	20,000	7,880		18,000		46,600		7,870		95,200	
Thallium	0.5	20	U	1.9	B	3	B	26.5		20	U
Vanadium	NC	1.3	B	2.6	B	0.72	B	2.6	B	17.4	B
Zinc	2,000	45.9	B	155		129		235		1,650	

APPENDIX B TABLE 1
DZUS FASTENERS SITE
TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22B		MW-23A		MW-23B	
Sample ID	Class GA	DF-MW-22B		DF-MW-23A		DF-MW-23B	
Laboratory ID	Groundwater	E0773-12A		E0773-01A		E0773-02A	
Sample Date	Criteria	6/7/06		6/7/06		6/7/06	
Matrix	water	water		water		water	
Units	µg/L	µg/L		µg/L		µg/L	
		conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	763	B	941		2,450	
Antimony	3	200	U	1.8	B	3.2	B
Arsenic	25	200	U	2	B	4.1	B
Barium	1,000	76.6	B	87.5	B	215	
Beryllium	3	50	U	5	U	0.21	B
Cadmium	10	29	B	110		320	
Calcium	NC	12,800		34,200		21,500	
Chromium	50	7.9	B	3.6	B	74.9	
Cobalt	NC	17.4	B	3.2	B	4.8	B
Copper	200	118	B	33.2		94.6	
Iron	300	4,600		10,300		8,220	
Lead	25	8.6	B	10	U	35.7	
Magnesium	35,000	2,660	B	6,660		1,890	
Manganese	300	2,310		1,100		548	
Mercury	0.7	2	U	0.065	B	0.11	B
Nickel	100	28	B	9.3	B	68.8	
Potassium	NC	3,000	B	7,070		2,400	
Selenium	10	300	U	1.3	B	30	U
Silver	50	300	U	0.92	B	30	U
Sodium	20,000	8,170	B	60,200		2,390	
Thallium	0.5	20.1	B	9.3	B	3.1	B
Vanadium	NC	500	U	5.5	B	17.7	B
Zinc	2,000	194	B	181		417	

APPENDIX B TABLE 2
DZUS FASTENERS SITE
TAL METALS IN SURFACE WATER SAMPLES

Sample Location	NYSDEC	SW-1		SW-2		SW-3		SW-4		SW-5		MW-6	
Sample ID	Class A	DF-SW-1		DF-SW-2		DF-SW-3		DF-SW-4		DF-SW-5		DF-SW-6	
Laboratory ID	Surface Water	E0868-01A		E0868-03A		E0868-05A		E0868-07A		E0868-09A		E0868-11A	
Sample Date	Criteria	6/21/06		6/21/06		6/21/06		6/21/06		6/21/06		6/21/06	
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	31.9	B	16.8	B	69.5	B	200	U	15.3	B	40.5	B
Antimony	3	20	U	20	U	20	U	20	U	1.5	B	20	U
Arsenic	50	20	U	20	U	20	U	20	U	20	U	20	U
Barium	1,000	13.2	B	12.2	B	7.9	B	5.7	B	36.9	B	35.5	B
Beryllium	3	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Cadmium	5	1.1	B	1.0	B	1.9	B	0.89	B	5.7		0.55	B
Calcium	NC	15,100		14,900		15,200		14,600		14,400		26,700	
Chromium	50	0.6	B	0.52	B	0.58	B	20	U	20	U	0.99	B
Cobalt	NC	0.94	B	0.92	B	0.72	B	0.37	B	0.82	B	3.1	B
Copper	200	8.9	B	30	U	30	U	11.7	B	30	U	30	U
Iron	300	691		649		788		610		632		5,400	
Lead	50	10	U	10	U	0.92	B	10	U	10	U	10	U
Magnesium	35,000	3,500		3,490		3,540		3,510		3,550		5,130	
Manganese	300	1,050		1,010		882		786		1,420		2,610	
Mercury	0.7	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Nickel	100	1.3	B	1.1	B	0.96	B	0.6	B	0.98	B	1.4	B
Potassium	NC	2,000		1,990		2,000		1,950		2,080		2,230	
Selenium	10	30	U	30	U	30	U	30	U	30	U	30	U
Silver	50	1.8	B	1.6	B	1.3	B	30	U	30	U	30	U
Sodium	20,000	18,500		18,100		18,300		18,100		21,100		29,200	
Thallium	0.5	20	U	20	U	20	U	20	U	20	U	20	U
Vanadium	NC	0.78	B	50	U	0.7	B	50	U	50	U	1.1	B
Zinc	2,000	22.4	B	15.6	B	21.5	B	20.2	B	22	B	35.6	B

APPENDIX B TABLE 3
DZUS FASTENERS SITE
TAL METALS IN SEDIMENT SAMPLES

Sample Location	NYSDEC		SED-1		SED-2		SED-3		SED-4		SED-5		SED-6	
Sample ID	Technical		DF-SED-1		DF-SED-2		DF-SED-3		DF-SED-4		DF-SED-5		DF-SED-6	
Laboratory ID	Guidance for		E0868-02A		E0868-04A		E0868-06A		E0868-08A		E0868-10A		E0868-12A	
Sample Date	Sediment Criteria		6/21/06		6/21/06		6/21/06		6/21/06		6/21/06		6/21/06	
Matrix	Sediment		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	5,020		15,500		690		2,730		1,060		1,030	
Antimony	2.0	25	0.7	B	0.92	B	0.64	U	0.22	B	0.074	B	0.076	
Arsenic	6.0	33	7.9		19.7		0.31	B	3.4		0.6	B	0.97	
Barium	NC	NC	81.2		89.8		6.7		41.5		12.1		7.4	
Beryllium	NC	NC	0.5	B	1.2		0.047	B	0.2	B	0.083	B	0.094	
Cadmium	0.6	9	47.8		133		1.5		32.3		0.43		0.23	
Calcium	NC	NC	2540		2,860		104		588		228		4,760	
Chromium	26	110	20.7		33.7		1.5		8.6		3.8		2.4	
Cobalt	NC	NC	7.6		12.1		0.66	B	4.9		1.2	B	1.8	
Copper	16	110	38.6		210		2.7		21.6		4.7		28.3	
Iron	2%	4%	10,300		20,300		920		4,450		3,400		3,290	
Lead	31	110	170		315		9.2		71.2		7.9		7.9	
Magnesium	NC	NC	1,300		1510		121		352		604		2,930	
Manganese	460	1,100	1,290		153		89.8		837		174		102	
Mercury	0.15	1.3	0.21		0.45		0.016	B	0.096		0.016	B	0.036	B
Nickel	16	50	11.4		17.6		1.6	B	6.0		1.6		1.8	
Potassium	NC	NC	514		555		115		145		135		118	
Selenium	NC	NC	1.6	B	2.2	B	0.2	B	0.76	B	0.28	B	1.0	U
Silver	1.0	2.2	2.6	U	0.33	B	0.96	U	1.6	U	0.95	U	1.0	U
Sodium	NC	NC	117		143		13.7	B	35.4	B	18.3	B	24.9	B
Thallium	NC	NC	5.8		0.39	B	0.33	B	3.7		0.56	B	0.25	B
Vanadium	NC	NC	29.4		55.9		1.8		9.2		5.6		9.9	
Zinc	120	270	215		402		10		122		13.2		17.2	

MITKEM CORPORATION

* Data Summary Pack *

Mitkem Corporation

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

Project Name : Multi Site – Dzus and Servall **SDG :** E0773

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-23A	E0773-01				SW6010B_W	
MW-23A	E0773-01				SW7470A	
MW-23B	E0773-02				SW6010B_W	
MW-23B	E0773-02				SW7470A	
MW-15A	E0773-03				SW6010B_W	
MW-15A	E0773-03				SW7470A	
MW-15B	E0773-04				SW6010B_W	
MW-15B	E0773-04				SW7470A	
MW-1	E0773-05				SW6010B_W	
MW-1	E0773-05				SW7470A	
MW-18	E0773-06				SW6010B_W	
MW-18	E0773-06				SW7470A	
MW-3	E0773-07				SW6010B_W	
MW-3	E0773-07				SW7470A	
MW-9B	E0773-08				SW6010B_W	
MW-9B	E0773-08				SW7470A	
MW-9	E0773-09				SW6010B_W	
MW-9	E0773-09				SW7470A	
MW-2	E0773-10				SW6010B_W	
MW-2	E0773-10				SW7470A	
MW-22A	E0773-11				SW6010B_W	
MW-22A	E0773-11				SW7470A	
MW-22B	E0773-12				SW6010B_W	
MW-22B	E0773-12				SW7470A	
MW-13A	E0773-13				SW6010B_W	
MW-13A	E0773-13				SW7470A	
MW-13B	E0773-14				SW6010B_W	
MW-13B	E0773-14				SW7470A	
DUP	E0773-15				SW6010B_W	
DUP	E0773-15				SW7470A	
SMW-3A	E0773-18	SW8260B_W			SW6010B_W	
SMW-3A	E0773-18				SW7470A	
SMW-11	E0773-19	SW8260B_W			SW6010B_W	
SMW-11	E0773-19				SW7470A	
SMW-23S	E0773-20	SW8260B_W			SW6010B_W	
SMW-23S	E0773-20				SW7470A	
SMW23D	E0773-21	SW8260B_W			SW6010B_W	
SMW23D	E0773-21				SW7470A	

Mitkem Corporation

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

Project Name : Multi Site -- Dzus and Servall

SDG : E0773

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

Mitkem Corporation

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

Project Name : Multi Site -- Dzus and Servall

SDG : E0773

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

Mitkem Corporation

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

Project Name : Multi Site – Dzus and Servall

SDG : E0773

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010B_W				
E0773-01A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-02A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-03A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-04A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-05A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-06A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-07A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-08A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-09A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-10A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-11A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-12A	AQ	SW6010B_W	06/09/2006	06/21/2006
E0773-12ADUP	AQ	SW6010B_W	06/09/2006	06/21/2006
E0773-12AMS	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-13A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-14A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-15A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-18A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-19A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-20A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-20ADUP	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-20AMS	AQ	SW6010B_W	06/09/2006	06/19/2006
E0773-21A	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-21ADUP	AQ	SW6010B_W	06/09/2006	06/20/2006
E0773-21AMS	AQ	SW6010B_W	06/09/2006	06/19/2006
SW7470A				
E0773-01A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-02A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-03A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-04A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-05A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-06A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-07A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-08A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-09A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-10A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-11A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-12A	AQ	SW7470A	06/09/2006	06/20/2006
E0773-12ADUP	AQ	SW7470A	06/09/2006	06/20/2006
E0773-12AMS	AQ	SW7470A	06/09/2006	06/20/2006
E0773-13A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-14A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-15A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-18A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-19A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-20A	AQ	SW7470A	06/09/2006	06/19/2006
E0773-21A	AQ	SW7470A	06/09/2006	06/19/2006

Report of Laboratory Analyses for Earth Tech Northeast, Inc.

Client Project: Multi-site G, Dzus and Servall

Mitkem Work Order ID: E0773

July 12, 2006

Prepared For:

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

Prepared By:

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

SDG Narrative

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

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

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

1. Overall Observation:

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

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

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

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

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

3. Metals Analysis:

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

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

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

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

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

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

Agnes Ng
CLP Project Manager
07/12/06

Mitkem Corporation

19/Jun/06 14:56

WorkOrder: E0773

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS AND SERVALL
Comments: N/A

Case:
SDG:
PO: 152033/152077

Report Level: ASP-B
EDD: CLF
HC Due: 06/30/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0773-01A	MW-23A	06/07/2006 09:30	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-02A	MW-23B	06/07/2006 09:40	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-03A	MW-15A	06/07/2006 11:42	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-04A	MW-15B	06/07/2006 11:15	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-05A	MW-1	06/08/2006 12:00	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-06A	MW-18	06/08/2006 11:15	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-07A	MW-3	06/08/2006 09:20	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2

Client Rep: Agnes R Ng

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS AND SERVALL
Comments: N/A

Case:
SDG:
PO: 152033/152077

Report Level: ASP-B
EDD: CLF
HC Due: 06/30/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0773-07A	MW-3	06/08/2006 09:20	06/09/2006	Aqueous	SW7470A	TAL	☐	☐	☐	M2
E0773-08A	MW-9B	06/08/2006 09:10	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-09A	MW-9	06/08/2006 08:50	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-10A	MW-2	06/07/2006 14:35	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-11A	MW-22A	06/07/2006 09:50	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-12A	MW-22B	06/07/2006 10:00	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☑	☑	M2
					SW7470A	TAL	☐	☑	☐	M2
E0773-13A	MW-13A	06/08/2006 07:50	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2

Client Rep: Agnes R Ng

Mitkem Corporation

19/Jun/06 14:56

WorkOrder: E0773

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS AND SERVALL
Comments: N/A

Case:
SDG:
PO: 152033/152077

Report Level: ASP-B
EDD: CLF
HC Due: 06/30/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
E0773-14A	MW-13B	06/08/2006 08:04	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑ M2
					SW7470A	TAL	☐	☐	☐ M2
E0773-15A	DUP	06/08/2006 09:50	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑ M2
					SW7470A	TAL	☐	☐	☐ M2
E0773-16A	MS	06/07/2006 10:00	06/09/2006	Aqueous	SW6010B_W	TAL	☑	☐	☑ M2
					SW7470A	TAL	☑	☐	☐ M2
E0773-17A	MSD	06/07/2006 10:00	06/09/2006	Aqueous	SW6010B_W	TAL	☑	☐	☑ M2
					SW7470A	TAL	☑	☐	☐ M2
E0773-18A	SMW-3A	06/06/2006 14:00	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑ M2
					SW7470A	TAL	☐	☐	☐ M2
E0773-18B	SMW-3A	06/06/2006 14:00	06/09/2006	Aqueous	SW8260B_W		☐	☐	☐ VOA
E0773-19A	SMW-11	06/08/2006 13:00	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑ M2

Client Rep: Agnes R Ng

Mitkem Corporation

19/Jun/06 14:56

WorkOrder: E0773

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS AND SERVALL
Comments: N/A

Case:
SDG:
PO: 152033/152077

Report Level: ASP-B
EDD: CLF
HC Due: 06/30/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0773-19A	SMW-11	06/08/2006 13:00	06/09/2006	Aqueous	SW7470A	TAL	☐	☐	☐	M2
E0773-19B	SMW-11	06/08/2006 13:00	06/09/2006	Aqueous	SW8260B_W		☐	☐	☐	VOA
E0773-20A	SMW-23S	06/08/2006 15:45	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-20B	SMW-23S	06/08/2006 15:45	06/09/2006	Aqueous	SW8260B_W		☐	☐	☐	VOA
E0773-21A	SMW23D	06/08/2006 16:00	06/09/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M2
					SW7470A	TAL	☐	☐	☐	M2
E0773-21B	SMW23D	06/08/2006 16:00	06/09/2006	Aqueous	SW8260B_W		☐	☐	☐	VOA

Client Rep: Agnes R Ng

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-15

Level (low/med): MED Date Received: 06/09/06

% 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	3370			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	18.0	B		P
7440-39-3	Barium	168	B		P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	38.2			P
7440-70-2	Calcium	49600			P
7440-47-3	Chromium	16.0	B		P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	37.7			P
7439-89-6	Iron	73800			P
7439-92-1	Lead	7.4	B		P
7439-95-4	Magnesium	7730			P
7439-96-5	Manganese	1250			P
7440-02-0	Nickel	5.5	B		P
7440-09-7	Potassium	4370			P
7782-49-2	Selenium	11.0	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	94800			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	16.7	B		P
7440-66-6	Zinc	1710			P
7439-97-6	Mercury	0.074	B		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-1

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-05

Level (low/med): MED Date Received: 06/09/06

% 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	4180			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	4.3	B		P
7440-39-3	Barium	80.2	B		P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	23.9			P
7440-70-2	Calcium	8790			P
7440-47-3	Chromium	8.0	B		P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	18.3	B		P
7439-89-6	Iron	13200			P
7439-92-1	Lead	3.9	B		P
7439-95-4	Magnesium	3010			P
7439-96-5	Manganese	210			P
7440-02-0	Nickel	8.7	B		P
7440-09-7	Potassium	1760			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	22500			P
7440-28-0	Thallium	1.9	B		P
7440-62-2	Vanadium	7.8	B		P
7440-66-6	Zinc	244			P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-2

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-10

Level (low/med): MED Date Received: 06/09/06

% 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	7090			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	3.9	B		P
7440-39-3	Barium	96.5	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	4.2	B		P
7440-70-2	Calcium	15500			P
7440-47-3	Chromium	8.8	B		P
7440-48-4	Cobalt	18.3	B		P
7440-50-8	Copper	19.3	B		P
7439-89-6	Iron	14900			P
7439-92-1	Lead	14.7			P
7439-95-4	Magnesium	3740			P
7439-96-5	Manganese	518			P
7440-02-0	Nickel	13.3	B		P
7440-09-7	Potassium	2140			P
7782-49-2	Selenium	1.4	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	21500			P
7440-28-0	Thallium	2.3	B		P
7440-62-2	Vanadium	11.9	B		P
7440-66-6	Zinc	138			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-3

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-07

Level (low/med): MED Date Received: 06/09/06

% 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	5650			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	2.9	B		P
7440-39-3	Barium	90.9	B		P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	77.4			P
7440-70-2	Calcium	17800			P
7440-47-3	Chromium	9.2	B		P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	16.1	B		P
7439-89-6	Iron	4430			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	4160			P
7439-96-5	Manganese	423			P
7440-02-0	Nickel	6.8	B		P
7440-09-7	Potassium	2630			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	27700			P
7440-28-0	Thallium	2.5	B		P
7440-62-2	Vanadium	8.1	B		P
7440-66-6	Zinc	87.0			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-9

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-09

Level (low/med): MED Date Received: 06/09/06

% 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	16800			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	32.6			P
7440-39-3	Barium	102	B		P
7440-41-7	Beryllium	0.63	B		P
7440-43-9	Cadmium	32.8			P
7440-70-2	Calcium	16000			P
7440-47-3	Chromium	125			P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	62.3			P
7439-89-6	Iron	21600			P
7439-92-1	Lead	11.6			P
7439-95-4	Magnesium	3170			P
7439-96-5	Manganese	151			P
7440-02-0	Nickel	18.3	B		P
7440-09-7	Potassium	3270			P
7782-49-2	Selenium	2.7	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	25500			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	33.1	B		P
7440-66-6	Zinc	170			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-9B

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-08

Level (low/med): MED Date Received: 06/09/06

% 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	213			P
7440-36-0	Antimony	1.8	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	45.5	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	2.9	B		P
7440-70-2	Calcium	10800			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	28.8	B		P
7439-89-6	Iron	561			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	1640			P
7439-96-5	Manganese	211			P
7440-02-0	Nickel	8.6	B		P
7440-09-7	Potassium	2140			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	8070			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	83.7			P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-13A

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-13

Level (low/med): MED Date Received: 06/09/06

% 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	15000			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	5.7	B		P
7440-39-3	Barium	176	B		P
7440-41-7	Beryllium	0.53	B		P
7440-43-9	Cadmium	174			P
7440-70-2	Calcium	37900			P
7440-47-3	Chromium	12.9	B		P
7440-48-4	Cobalt	55.8			P
7440-50-8	Copper	34.3			P
7439-89-6	Iron	12700			P
7439-92-1	Lead	5.7	B		P
7439-95-4	Magnesium	5580			P
7439-96-5	Manganese	9560			P
7440-02-0	Nickel	9.4	B		P
7440-09-7	Potassium	7430			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	94500			P
7440-28-0	Thallium	44.0			P
7440-62-2	Vanadium	17.6	B		P
7440-66-6	Zinc	53.3			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-13B

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-14

Level (low/med): MED Date Received: 06/09/06

% 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	330			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	54.3	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	15.0			P
7440-70-2	Calcium	10700			P
7440-47-3	Chromium	27.8			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	19.3	B		P
7439-89-6	Iron	614			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	1710			P
7439-96-5	Manganese	621			P
7440-02-0	Nickel	9.8	B		P
7440-09-7	Potassium	2410			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	7880			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	45.9	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-15A

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-03

Level (low/med): MED Date Received: 06/09/06

% 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	773			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	53.7	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	28.8			P
7440-70-2	Calcium	18900			P
7440-47-3	Chromium	3.0	B		P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	38.0			P
7439-89-6	Iron	2320			P
7439-92-1	Lead	9.9	B		P
7439-95-4	Magnesium	3170			P
7439-96-5	Manganese	370			P
7440-02-0	Nickel	7.1	B		P
7440-09-7	Potassium	2090			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	18000			P
7440-28-0	Thallium	1.9	B		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	155			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-15B

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-04

Level (low/med): MED Date Received: 06/09/06

% 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	224			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.7	B		P
7440-39-3	Barium	83.6	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	3.6	B		P
7440-70-2	Calcium	16400			P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	5.5	B		P
7440-50-8	Copper	20.4	B		P
7439-89-6	Iron	4780			P
7439-92-1	Lead	3.3	B		P
7439-95-4	Magnesium	5930			P
7439-96-5	Manganese	239			P
7440-02-0	Nickel	11.5	B		P
7440-09-7	Potassium	2450			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	46600			P
7440-28-0	Thallium	3.0	B		P
7440-62-2	Vanadium	0.72	B		P
7440-66-6	Zinc	129			P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-18

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-06

Level (low/med): MED Date Received: 06/09/06

% 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	1430			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	168	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	3.0	B		P
7440-70-2	Calcium	13900			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	17.7	B		P
7439-89-6	Iron	1150			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	2340			P
7439-96-5	Manganese	6270			P
7440-02-0	Nickel	17.5	B		P
7440-09-7	Potassium	1520			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	7870			P
7440-28-0	Thallium	26.5			P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	235			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-22A

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-11

Level (low/med): MED Date Received: 06/09/06

% 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	4320			P
7440-36-0	Antimony	1.7	B		P
7440-38-2	Arsenic	16.0	B		P
7440-39-3	Barium	167	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	38.9			P
7440-70-2	Calcium	52100			P
7440-47-3	Chromium	18.0	B		P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	32.3			P
7439-89-6	Iron	70400			P
7439-92-1	Lead	8.6	B		P
7439-95-4	Magnesium	8300			P
7439-96-5	Manganese	1280			P
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium	4560			P
7782-49-2	Selenium	8.7	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	95200			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	17.4	B		P
7440-66-6	Zinc	1650			P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-22B

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-12

Level (low/med): MED Date Received: 06/09/06

% 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	763	B		P
7440-36-0	Antimony	12	U		P
7440-38-2	Arsenic	16	U		P
7440-39-3	Barium	76.6	B		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	29.0	B		P
7440-70-2	Calcium	12800			P
7440-47-3	Chromium	7.9	B		P
7440-48-4	Cobalt	17.4	B		P
7440-50-8	Copper	118	B		P
7439-89-6	Iron	4600			P
7439-92-1	Lead	8.6	B		P
7439-95-4	Magnesium	2660	B		P
7439-96-5	Manganese	2310			P
7440-02-0	Nickel	28.0	B		P
7440-09-7	Potassium	3000	B		P
7782-49-2	Selenium	9.8	U		P
7440-22-4	Silver	9.1	U		P
7440-23-5	Sodium	8170	B		P
7440-28-0	Thallium	20.1	B		P
7440-62-2	Vanadium	4.7	U		P
7440-66-6	Zinc	194	B		P
7439-97-6	Mercury	0.47	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-23A

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-01

Level (low/med): MED Date Received: 06/09/06

% 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	941			P
7440-36-0	Antimony	1.8	B		P
7440-38-2	Arsenic	2.0	B		P
7440-39-3	Barium	87.5	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	110			P
7440-70-2	Calcium	34200			P
7440-47-3	Chromium	3.6	B		P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	33.2			P
7439-89-6	Iron	10300			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	6660			P
7439-96-5	Manganese	1100			P
7440-02-0	Nickel	9.3	B		P
7440-09-7	Potassium	7070			P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	0.92	B		P
7440-23-5	Sodium	60200			P
7440-28-0	Thallium	9.3	B		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	181			P
7439-97-6	Mercury	0.065	B		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-23B

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0773

Matrix (soil/water): WATER Lab Sample ID: E0773-02

Level (low/med): MED Date Received: 06/09/06

% 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	2450			P
7440-36-0	Antimony	3.2	B		P
7440-38-2	Arsenic	4.1	B		P
7440-39-3	Barium	215			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	320			P
7440-70-2	Calcium	21500			P
7440-47-3	Chromium	74.9			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	94.6			P
7439-89-6	Iron	8220			P
7439-92-1	Lead	35.7			P
7439-95-4	Magnesium	1890			P
7439-96-5	Manganese	548			P
7440-02-0	Nickel	68.8			P
7440-09-7	Potassium	2400			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	2390			P
7440-28-0	Thallium	3.1	B		P
7440-62-2	Vanadium	17.7	B		P
7440-66-6	Zinc	417			P
7439-97-6	Mercury	0.11	B		CV

Comments:

Report of Laboratory Analyses for Earth Tech Northeast, Inc.

Client Project: Multi-site G, Dzus and Liberty

Mitkem Work Order ID: E0868

July 14, 2006

Prepared For:

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

Prepared By:

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

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech Northeast Inc.'s Multi-site G, Dzus and Liberty, project. Under this deliverable, analysis results are presented for seven aqueous and six soil samples that were received on June 23, 2006. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussions with the client. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

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

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

1. Overall Observation:

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. Metals Analysis:

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

Matrix spike: matrix spike was performed on sample SED-2 for mercury only and SW-3 for the ICAP metals. Spike recoveries were within the QC limits.

Duplicate: duplicate analysis was performed on sample SED-2 for mercury only and SW-3 for the ICAP metals. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample SW-3. Percent differences were within the QC limits. No unusual observation was made for the analysis.

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

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

Agnes Ng
CLP Project Manager
07/14/06

Mitkem Corporation

27/Jun/06 08:51

WorkOrder: E0868

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS/LIBERTY
Comments: N/A

Case:
SDG:
PO: 152033/152108

Report Level: ASP-B
EDD: CLF
HC Due: 07/14/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0868-01A	SW-1	06/21/2006 09:05	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-02A	SED-1	06/21/2006 09:15	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6
					SW7471A	TAL	☐	☐	☐	A6
E0868-03A	SW-2	06/21/2006 09:35	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-04A	SED-2	06/21/2006 09:50	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6
					SW7471A	TAL	☐	☐	☐	A6
E0868-05A	SW-3	06/21/2006 10:20	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☑	☑	M5
					SW7470A	TAL	☐	☑	☐	M5
E0868-06A	SED-3	06/21/2006 10:20	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6

Client Rep: Agnes R Ng

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS/LIBERTY
Comments: N/A

Case:
SDG:
PO: 152033/152108

Report Level: ASP-B
EDD: CLF
HC Due: 07/14/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0868-06A	SED-3	06/21/2006 10:20	06/23/2006	Soil	SW7471A	TAL	☐	☐	☐	A6
E0868-07A	SW-4	06/21/2006 11:00	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-08A	SED-4	06/21/2006 11:00	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6
					SW7471A	TAL	☐	☐	☐	A6
E0868-09A	SW-5	06/21/2006 11:50	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-10A	SED-5	06/21/2006 11:50	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6
					SW7471A	TAL	☐	☐	☐	A6
E0868-11A	SW-6	06/21/2006 13:10	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5

Client Rep: Agnes R Ng

Mitkem Corporation

27/Jun/06 08:51

WorkOrder: E0868

Client ID: EARTH_NJ
Project: Multi Site
Location: DZUS/LIBERTY
Comments: N/A

Case:
SDG:
PO: 152033/152108

Report Level: ASP-B
EDD: CLF
HC Due: 07/14/06
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E0868-12A	SED-6	06/21/2006 13:10	06/23/2006	Soil	PMoist		☐	☐	☐	A6
					SW6010B_S	TAL	☐	☐	☑	A6
					SW7471A	TAL	☐	☐	☐	A6
E0868-13A	DUP (SW-3)	06/21/2006 10:20	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-14A	LMW-18	06/22/2006 12:40	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5
E0868-15A	LMW-19	06/22/2006 13:40	06/23/2006	Aqueous	SW6010B_W	TAL	☐	☐	☑	M5
					SW7470A	TAL	☐	☐	☐	M5

Client Rep: Agnes R Ng

Sample Transmittal Documentation

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

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY EARTH TECH	PHONE 973 3386680	COMPANY SAME	PHONE	LAB PROJECT #: E0868
NAME PAUL KARETH	FAX 973 3581052	NAME	FAX	
ADDRESS 300 BROADACRES DR		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP BLOOMFIELD NJ 07003		CITY/ST/ZIP		

CLIENT PROJECT NAME: MULTI SITE "G" DZUS

CLIENT PROJECT #:

CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TAL METALS	COMMENTS
SW-1	6/21/06 1090S			X			01		X	
SED-1	10915				X		02		X	
SW-2	10935			X			03		X	
SED-2	0950				X		04		X	
SW-3	1020			X			05		X	
SED-3	1020				X		06		X	
SW-4	1100			X			07		X	
SED-4	1100				X		08		X	
SW-5	1150			X			09		X	
SED-5	1150				X		10		X	
SW-6	1310			X			11		X	
SED-6	1310				X		12		X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Kevin Sense	6/22/06	Ken Kam	6/22/06 9:15
		/		/
		/		/

ADDITIONAL REMARKS:

COOLER TEMP: 1°

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

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

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY EARTH TECH	PHONE 973-338-6680		COMPANY SAME	PHONE	LAB PROJECT #:
NAME PAUL KARETH	FAX 973 338 1052		NAME	FAX	E0868
ADDRESS 300 BROAD ACRES DR			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP BLOOMFIELD NJ 07003			CITY/ST/ZIP		

CLIENT PROJECT NAME: MULTI SITE "G" DZUS

CLIENT PROJECT #:

CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TAL METALS	COMMENTS
DUP (SW-3)	6/21/06 1020			X			13		X	
MS	6/21/06			X			14		X	
MSD	6/21/06			X			15		X	
	/									
	/									
	/									
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	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Kevin Deise	6/22/06	Ken Pun	6/22/06 915		1°
		/		/		
		/		/		

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

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

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY EARTH TECH	PHONE 973 338 6680	COMPANY SAME	PHONE	LAB PROJECT #: E0868
NAME PAUL KARETH	FAX 973 338 1052	NAME	FAX	
ADDRESS 300 BROAD ACRES DRIVE		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP BLOOMFIELD NJ 07003		CITY/ST/ZIP		

CLIENT PROJECT NAME: MULTI SITE "G" LIBERTY

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TAL METALS	COMMENTS
LMW-18	6/22/06 1240			X			14	1	X	
LMW-19	6/22/06 1340			X			15	1	X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Kevin Geise	6/22/06 1	Kar Pine	6/23/06 915
		/		/
		/		/

ADDITIONAL REMARKS:

COOLER TEMP: 1°

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

MITKEM CORPORATION
Sample Condition Form

Received By: DKD | Reviewed By: ARN | Date: 6/23/06 | MITKEM Workorder #: E0868

Client Project: Multi Site | Client: Earth Tech

1) Cooler Sealed (Yes) / No

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

3) Custody Seal Number(s) N/A

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

5) Cooler Temperature 1°C
Coolant Condition ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 8567 8026 8860

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 6/23/06

9) Time Received 5:15

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
E0868	01	<2					
	02						
	03	<2					
	04						
	05	<2					
	06						
	07	<2					
	08						
	09	<2					
	10						
	11	<2					
	12						
	13	<2					
	14	<2					
E0868	15	<2					

DKD 6/23/06

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqu. **H** = HCl
M= MeOH **E** = Encore
N = $NaHSO_4$ **F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Agnes Ng

From: "Seise, Kevin" <kevin.seise@earthtech.com>
To: <ang@mitkem.com>
Sent: Monday, June 26, 2006 15:30
Subject: FW: Dsuz samples

Agnes,
The MS, MSD, and Dup sample were all collected from SW-3. Sorry for the confusion.

Kevin Seise
Earth Tech Inc.
300 Broadacres Drive
Bloomfield, NJ 07003
Phone 973-338-6680 ext 256 **Fax** 973-338-1052
Direct 973-337-4256 **Cell** 201-923-7155
kevin.seise@earthtech.com

From: Kareth, Paul
Sent: Monday, June 26, 2006 8:48 AM
To: Seise, Kevin
Subject: FW: Dsuz samples

From: Agnes Ng [mailto:ang@mitkem.com]
Sent: Friday, June 23, 2006 3:08 PM
To: Kareth, Paul
Subject: Dsuz samples

Hi Paul,

We received some samples today. I can't tell which sample the MS and MSD is associated with.

Thanks,
Agnes Ng
CLP Project Manager
(Ph) 401-732-3400
(Fax) 401-732-3499
****

* Metals *

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 152033/1521

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

SOW No.: SW846

EPA Sample No.	Lab Sample ID.
DUP (SW-3)	E0868-13
LMW-18	E0868-14
LMW-19	E0868-15
SED-1	E0868-02
SED-2	E0868-04
SED-2D	E0868-04DUP
SED-2S	E0868-04MS
SED-3	E0868-06
SED-4	E0868-08
SED-5	E0868-10
SED-6	E0868-12
SW-1	E0868-01
SW-2	E0868-03
SW-3	E0868-05
SW-3D	E0868-05DUP
SW-3S	E0868-05MS
SW-4	E0868-07
SW-5	E0868-09
SW-6	E0868-11

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Karolina Badura Name: KAROLINA BADURA

Date: 7/13/06 Title:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP (SW-3)

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-13

Level (low/med): MED Date Received: 06/23/06

% 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	40.2	B		P
7440-36-0	Antimony	2.2	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	6.1	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	1.6	B		P
7440-70-2	Calcium	14600			P
7440-47-3	Chromium	0.51	B		P
7440-48-4	Cobalt	0.40	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	667			P
7439-92-1	Lead	0.50	B		P
7439-95-4	Magnesium	3470			P
7439-96-5	Manganese	766			P
7440-02-0	Nickel	0.59	U		P
7440-09-7	Potassium	1960			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	18100			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	16.4	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-1

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-02

Level (low/med): MED Date Received: 06/23/06

% 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	5020			P
7440-36-0	Antimony	0.70	B		P
7440-38-2	Arsenic	7.9			P
7440-39-3	Barium	81.2			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	47.8			P
7440-70-2	Calcium	2540			P
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	38.6			P
7439-89-6	Iron	10300			P
7439-92-1	Lead	170			P
7439-95-4	Magnesium	1300			P
7439-96-5	Manganese	1290			P
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	514			P
7782-49-2	Selenium	1.6	B		P
7440-22-4	Silver	0.033	U		P
7440-23-5	Sodium	117			P
7440-28-0	Thallium	5.8			P
7440-62-2	Vanadium	29.4			P
7440-66-6	Zinc	215			P
7439-97-6	Mercury	0.21			CV

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-2

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-04

Level (low/med): MED Date Received: 06/23/06

% Solids: 28.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15500			P
7440-36-0	Antimony	0.92	B		P
7440-38-2	Arsenic	19.7			P
7440-39-3	Barium	89.8			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	133			P
7440-70-2	Calcium	2860			P
7440-47-3	Chromium	33.7			P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	210			P
7439-89-6	Iron	20300			P
7439-92-1	Lead	315			P
7439-95-4	Magnesium	1510			P
7439-96-5	Manganese	153			P
7440-02-0	Nickel	17.6			P
7440-09-7	Potassium	555			P
7782-49-2	Selenium	2.2	B		P
7440-22-4	Silver	0.33	B		P
7440-23-5	Sodium	143			P
7440-28-0	Thallium	0.39	B		P
7440-62-2	Vanadium	55.9			P
7440-66-6	Zinc	402			P
7439-97-6	Mercury	0.45			CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-3

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-06

Level (low/med): MED Date Received: 06/23/06

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	690			P
7440-36-0	Antimony	0.036	U		P
7440-38-2	Arsenic	0.31	B		P
7440-39-3	Barium	6.7			P
7440-41-7	Beryllium	0.047	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	104			P
7440-47-3	Chromium	1.5			P
7440-48-4	Cobalt	0.66	B		P
7440-50-8	Copper	2.7			P
7439-89-6	Iron	920			P
7439-92-1	Lead	9.2			P
7439-95-4	Magnesium	121			P
7439-96-5	Manganese	89.8			P
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	115			P
7782-49-2	Selenium	0.20	B		P
7440-22-4	Silver	0.012	U		P
7440-23-5	Sodium	13.7	B		P
7440-28-0	Thallium	0.33	B		P
7440-62-2	Vanadium	1.8			P
7440-66-6	Zinc	10.0			P
7439-97-6	Mercury	0.016	B		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-4

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-08

Level (low/med): MED Date Received: 06/23/06

% Solids: 66.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2730			P
7440-36-0	Antimony	0.22	B		P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	41.5			P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	32.3			P
7440-70-2	Calcium	588			P
7440-47-3	Chromium	8.6			P
7440-48-4	Cobalt	4.9			P
7440-50-8	Copper	21.6			P
7439-89-6	Iron	4450			P
7439-92-1	Lead	71.2			P
7439-95-4	Magnesium	352			P
7439-96-5	Manganese	837			P
7440-02-0	Nickel	6.0			P
7440-09-7	Potassium	145			P
7782-49-2	Selenium	0.76	B		P
7440-22-4	Silver	0.020	U		P
7440-23-5	Sodium	35.4	B		P
7440-28-0	Thallium	3.7			P
7440-62-2	Vanadium	9.2			P
7440-66-6	Zinc	122			P
7439-97-6	Mercury	0.096			CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-5

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-10

Level (low/med): MED Date Received: 06/23/06

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1060			P
7440-36-0	Antimony	0.074	B		P
7440-38-2	Arsenic	0.60	B		P
7440-39-3	Barium	12.1			P
7440-41-7	Beryllium	0.083	B		P
7440-43-9	Cadmium	0.43			P
7440-70-2	Calcium	228			P
7440-47-3	Chromium	3.8			P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	4.7			P
7439-89-6	Iron	3400			P
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium	604			P
7439-96-5	Manganese	174			P
7440-02-0	Nickel	1.6			P
7440-09-7	Potassium	135			P
7782-49-2	Selenium	0.28	B		P
7440-22-4	Silver	0.012	U		P
7440-23-5	Sodium	18.3	B		P
7440-28-0	Thallium	0.56	B		P
7440-62-2	Vanadium	5.6			P
7440-66-6	Zinc	13.2			P
7439-97-6	Mercury	0.016	B		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SED-6

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): SOIL Lab Sample ID: E0868-12

Level (low/med): MED Date Received: 06/23/06

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1030			P
7440-36-0	Antimony	0.076	B		P
7440-38-2	Arsenic	0.97			P
7440-39-3	Barium	7.4			P
7440-41-7	Beryllium	0.094	B		P
7440-43-9	Cadmium	0.23			P
7440-70-2	Calcium	4760			P
7440-47-3	Chromium	2.4			P
7440-48-4	Cobalt	1.8			P
7440-50-8	Copper	28.3			P
7439-89-6	Iron	3290			P
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium	2930			P
7439-96-5	Manganese	102			P
7440-02-0	Nickel	1.8			P
7440-09-7	Potassium	118			P
7782-49-2	Selenium	0.047	U		P
7440-22-4	Silver	0.013	U		P
7440-23-5	Sodium	24.9	B		P
7440-28-0	Thallium	0.25	B		P
7440-62-2	Vanadium	9.9			P
7440-66-6	Zinc	17.2			P
7439-97-6	Mercury	0.036	B		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-1

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-01

Level (low/med): MED Date Received: 06/23/06

% 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	31.9	B		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	13.2	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	15100			P
7440-47-3	Chromium	0.60	B		P
7440-48-4	Cobalt	0.94	B		P
7440-50-8	Copper	8.9	B		P
7439-89-6	Iron	691			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	3500			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	2000			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	18500			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.78	B		P
7440-66-6	Zinc	22.4	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-2

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-03

Level (low/med): MED Date Received: 06/23/06

% 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	16.8	B		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	12.2	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	1.0	B		P
7440-70-2	Calcium	14900			P
7440-47-3	Chromium	0.52	B		P
7440-48-4	Cobalt	0.92	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	649			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	3490			P
7439-96-5	Manganese	1010			P
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	1990			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	18100			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	15.6	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-3

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-05

Level (low/med): MED Date Received: 06/23/06

% 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	69.5	B		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	7.9	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	1.9	B		P
7440-70-2	Calcium	15200			P
7440-47-3	Chromium	0.58	B		P
7440-48-4	Cobalt	0.72	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	788			P
7439-92-1	Lead	0.92	B		P
7439-95-4	Magnesium	3540			P
7439-96-5	Manganese	882			P
7440-02-0	Nickel	0.96	B		P
7440-09-7	Potassium	2000			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	18300			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.70	B		P
7440-66-6	Zinc	21.5	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-4

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-07

Level (low/med): MED Date Received: 06/23/06

% 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	14	U		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	5.7	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.89	B		P
7440-70-2	Calcium	14600			P
7440-47-3	Chromium	0.38	U		P
7440-48-4	Cobalt	0.37	B		P
7440-50-8	Copper	11.7	B		P
7439-89-6	Iron	610			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	3510			P
7439-96-5	Manganese	786			P
7440-02-0	Nickel	0.60	B		P
7440-09-7	Potassium	1950			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	18100			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	20.2	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-5

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-09

Level (low/med): MED Date Received: 06/23/06

% 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	15.3	B		P
7440-36-0	Antimony	1.5	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	36.9	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	14400			P
7440-47-3	Chromium	0.38	U		P
7440-48-4	Cobalt	0.82	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	632			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	3550			P
7439-96-5	Manganese	1420			P
7440-02-0	Nickel	0.98	B		P
7440-09-7	Potassium	2080			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	21100			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	22.0	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SW-6

Lab Name: Mitkem Corporation Contract: 152033/15

Lab Code: MITKEM Case No. SAS No.: SDG No.: ME0868

Matrix (soil/water): WATER Lab Sample ID: E0868-11

Level (low/med): MED Date Received: 06/23/06

% 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	40.5	B		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	35.5	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.55	B		P
7440-70-2	Calcium	26700			P
7440-47-3	Chromium	0.99	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	5400			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	5130			P
7439-96-5	Manganese	2610			P
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	2230			P
7782-49-2	Selenium	0.98	U		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	29200			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	35.6	B		P
7439-97-6	Mercury	0.065	U		CV

Comments:

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone: 920.469.2436
Fax: 920.469.8827

September 14, 2006

Paul Kareth
Earth Tech Inc.
300 Broadacres Drive
Bloomfield, NJ 07003

Dear Mr. Kareth:

Enclosed is a data package of results for the metals analysis of fish samples and associated QC samples for the Dzus Fastener, Town of West Islip project. The samples have been stored frozen since receipt. These fish were assigned to batch number 874144 for laboratory tracking purposes.

The samples were homogenized by blending with liquid nitrogen. A portion of each sample was then analyzed for cadmium following EPA method 6020. The results are reported on an as-is basis.

An electronic copy of the results was sent to you previously via e-mail. If you have any questions regarding this data please call me at (608) 232-3300 ext. 302.

Sincerely,

Tod Noltemeyer
Project Manager

Metals Result Summary Cover Sheet

Client: EARTH TECH INC
Project: SUTFOLK
SDG: 874144

SDG Narrative

Name EARTH TECH INC
Client Project Name SUTFOLK
Client Project# TOWN OF ISLIP
Project Coordinator Tod Noltemeyer
SDG 874144
LabSection METALS-K

Lab Number	SampleID	Collect Date	Received	Matrix
874144-001	NORTH 1	07/18/06	07/19/06	BIOTA
874144-002	NORTH 2	07/18/06	07/19/06	BIOTA
874144-003	NORTH 3	07/18/06	07/19/06	BIOTA
874144-004	NORTH 4	07/18/06	07/19/06	BIOTA
874144-005	NORTH 5	07/18/06	07/19/06	BIOTA
874144-006	NORTH 6	07/18/06	07/19/06	BIOTA
874144-007	NORTH 7	07/18/06	07/19/06	BIOTA
874144-008	NORTH 8	07/18/06	07/19/06	BIOTA
874144-009	SOUTH 1	07/18/06	07/19/06	BIOTA
874144-010	SOUTH 2	07/18/06	07/19/06	BIOTA
874144-011	SOUTH 3	07/18/06	07/19/06	BIOTA
874144-012	SOUTH 4	07/18/06	07/19/06	BIOTA

Pace Analytical®

1090 Kennedy Avenue
Kimberly, WI 54136

CASE NARRATIVE - METALS ANALYSIS

Lab Report Number (SDG): 874144
Client: EARTH TECH INC
Project Name: SUFFOLK
Project Number: TOWN OF ISLIP

1. RECEIPT

The samples were received at 2°C.

2. HOLDING TIMES

A. **Sample Preparation:** All recommended holding times were met.
B. **Sample Analysis:** All recommended holding times were met.

3. METHOD

A. **Preparation:** SW846 M3050B
B. **Analysis:** SW846 6020

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

A. **Calibration:**
   1. **Initial verification:** All method acceptance criteria were met.
   2. **Continuing verification:** All method acceptance criteria were met.

B. **Blanks:**
   1. **Initial calibration:** All in-house acceptance criteria were met.
   2. **Continuing calibration:** All in-house acceptance criteria were met.
   3. **Method:** All method and in-house acceptance criteria were met.
   4. **Catfish:** A Catfish Blank is prepared and analyzed with each sample batch to determine the background contamination levels of the Catfish used for the laboratory control spike (LCS).

C. **Spikes:**
   1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met for the LCS.
   2. **SRM:** A Standard Reference Material is analyzed with each tissue sample batch. The default accuracy criterion is 80%-120% for ICP-MS metals and 75%-125% for CVAA Mercury.
   3. **Matrix Spike / Duplicate (MS/MSD):** Sample NORTH 1 was designated MS/MSD for this SDG. All in-house accuracy and precision criteria were met.

D. **Sample Duplicates:** None required for this SDG.
E. **ICP-MS Internal Standards:** All in-house acceptance criteria were met for the internal standards used for quantification.
F. **ICP-MS Interference Check Samples:** All method acceptance criteria were met.
G. **ICP-MS Post Spike:** All method acceptance criteria were met.
H. **ICP-MS Serial Dilution:** Sample NORTH 2 was the parent sample for the ICP-MS serial dilution. All method acceptance criteria were met.
I. **Samples:** Sample analyses proceeded normally.
J. **Sample Dilutions:** None required for this SDG.
K. **Reanalysis:** Not applicable.
L. **Comments:**

I certify that this data package is in compliance with the terms and conditions agreed to by **Pace Analytical Services, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Jill Duranceau Date: 08/31/06

Name: Jill Duranceau Position: Quality Assurance Auditor

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302

Analysis Summary by Laboratory

Test Group Name	874144-001	874144-002	874144-003	874144-004	874144-005	874144-006	874144-007	874144-008	874144-009	874144-010	874144-011	874144-012
BIOTA PREP	K	K	K	K	K	K	K	K	K	K	K	K
CADMIUM	K	K	K	K	K	K	K	K	K	K	K	K

Code	Facility	Address	NJ Certification
K	Kimberly Laboratory	1090 Kennedy Ave. Kimberly, WI 54136	Not Certified

Appendix B. Sample Chain of Custody Form

CHAIN OF CUSTODY

874144

I, John Rolling (Print Name), of EARTH TECH, Bloomfield NJ (Print Address) have collected the following

on 7/18 (Date), 2006 from LAKE CARRI in the vicinity of LAKE'S NORTHERN HALF

Town of WEST ISLIP, Suffolk County.

Item(s): Fish Samples for CADMIUM ~~ACAT~~ ANALYSIS

-001 -002 -003 -004
NORTH 1, NORTH 2, NORTH 3, NORTH 4

I have assigned the identification number(s) -005 NORTH 5, -006 NORTH 6, -007 NORTH 7, NORTH 8 -008 to these samples, and have recorded pertinent data on the attached collection records. The samples were handled according to sampling protocols provided to me prior to collection. I placed the samples in the custody of FED EX on 7/18, 2006.

I, _____, of _____ have received the above mentioned sample(s) on the date specified for the purpose of _____. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and dates as attested to below.

Signed CS ~~Durham~~ FedEX Date 7/19/06 1045

SECOND RECIPIENT (Print Name) Crystal Schiefelbein	TIME & DATE 7/19/06 1045	PURPOSE OF TRANSFER
SIGNATURE C. Schiefelbein	AFFILIATION Pace	
THIRD RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	AFFILIATION	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	AFFILIATION	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	
SIGNATURE	AFFILIATION	

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signator warrants that the information provided is truthful and accurate to the best of his/her ability.

Appendix B. Sample Chain of Custody Form

874144

CHAIN OF CUSTODY

I, John Rollino, of EARTH TECH Bloomfield, NJ have collected the following
(Print Name) (Print Address)

on 7/18, 2006 from LAKE CAPRI in the vicinity of LAKE'S SOUTHERN HALF
(Date)

Town of WEST ISLIP, Suffolk County.

Item(s): Fish samples for CADMIUM ANALYSIS

-009 -010 -011 -012

SOUTH 1, SOUTH 2, SOUTH 3, + SOUTH 4

I have assigned the identification number(s) _____ to these samples, and have recorded pertinent data on the attached collection records. The samples were handled according to sampling protocols provided to me prior to collection. I placed the samples in the custody of FED EX on 7/18, 2006.

I, _____, of _____ have received the above mentioned sample(s) on the date specified for the purpose of _____. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and dates as attested to below.

Signed _____ Date _____

SECOND RECIPIENT (Print Name) FedEx	TIME & DATE 7/19/06 1045	PURPOSE OF TRANSFER
SIGNATURE	AFFILIATION	
THIRD RECIPIENT (Print Name) Crystal Schiefelbein	TIME & DATE 7/19/06 1045	PURPOSE OF TRANSFER
SIGNATURE C. Schiefelbein	AFFILIATION Pace	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	AFFILIATION	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	
SIGNATURE	AFFILIATION	

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signator warrants that the information provided is truthful and accurate to the best of his/her ability.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Earth Tech Project # 874144

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace Other_____

Custody Seal on Cooler/Box Present: [X] yes [ ] no Seals intact: [X] yes [ ] no

Optional: Proj Due Date: Proj Name:

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] None [ ] Other_____

Thermometer Used IRGUN Type of Ice: (Wet) Blue None [X] Samples on ice, cooling process has begun

Cooler Temperature 2.0 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: CS 7/19/06 U 7/19/06

Comments:

Chain of Custody Present:	[X]Yes [ ]No [ ]N/A	1. Non-Pace
Chain of Custody Filled Out:	[X]Yes [ ]No [ ]N/A	2.
Chain of Custody Relinquished:	[ ]Yes [X]No [ ]N/A	3.
Sampler Name & Signature on COC:	[ ]Yes [X]No [ ]N/A	4.
Samples Arrived within Hold Time:	[X]Yes [ ]No [ ]N/A	5.
Short Hold Time Analysis (<72hr):	[ ]Yes [X]No [ ]N/A	6.
Rush Turn Around Time Requested:	[ ]Yes [X]No [ ]N/A	7.
Sufficient Volume:	[X]Yes [ ]No [ ]N/A	8.
Correct Containers Used:	[X]Yes [ ]No [ ]N/A	9. poly bags
-Pace Containers Used:	[ ]Yes [X]No [ ]N/A	
Containers Intact:	[X]Yes [ ]No [ ]N/A	10.
Filtered volume received for Dissolved tests	[ ]Yes [ ]No [X]N/A	11.
Sample Labels match COC:	[X]Yes [ ]No [ ]N/A	12.
-Includes date/time/ID/Analysis Matrix: B		
All containers needing preservation have been checked.	[ ]Yes [ ]No [X]N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	[ ]Yes [ ]No [X]N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	[ ]Yes [ ]No	Initial when completed
Samples checked for dechlorination:	[ ]Yes [ ]No [X]N/A	14.
Headspace in VOA Vials (>6mm):	[ ]Yes [ ]No [X]N/A	15.
Trip Blank Present:	[ ]Yes [ ]No [X]N/A	16.
Trip Blank Custody Seals Present	[ ]Yes [ ]No [X]N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Todd Wolfmeyer **Date:** 7/19/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 1

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-001

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	80	B	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 2

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-002

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	120	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 3

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-003

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	39	B	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 4

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-004

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	76	B	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 5

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-005

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	120	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 6

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-006

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	130	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 7

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-007

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	160	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : NORTH 8

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-008

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	140	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : SOUTH 1

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-009

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	28	U	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : SOUTH 2

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-010

INORGANICS

Test	Result		MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	28	U	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : SOUTH 3

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-011

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	190	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 874144

Client : EARTH TECH INC
Project Name : SUTFOLK
Project Number : TOWN OF ISLIP
Field ID : SOUTH 4

Matrix Type : BIOTA
Collection Date : 07/18/06
Report Date : 08/31/06
Lab Sample Number : 874144-012

INORGANICS

Test	Result	MDL	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	270	28	100	1	ug/Kg Wet		08/14/06	SW846 M3050	SW846 6020

APPENDIX C

COLLECTED FISH SAMPLES

Appendix C - Collected Fish Samples

South 1			
Common Name	Scientific Name	Length (cm)	Weight (g)
largemouth bass	*Microptera salmoides*	37.75	700
Fish caught by gill net.			

South 2			
Common Name	Scientific Name	Length (cm)	Weight (g)
largemouth bass	*Microptera salmoides*	26	240
Fish caught by gill net			

South 3			
Common Name	Scientific Name	Length (cm)	Weight (g)
bluegill	*Lepomis macrochirus*	8.8	12
bluegill	*Lepomis macrochirus*	7.6	8
bluegill	*Lepomis macrochirus*	6.3	4
	Total	22.7	24
Fish caught by trap			

South 4			
Common Name	Scientific Name	Length (cm)	Weight (g)
largemouth bass	*Microptera salmoides*	5.7	2
largemouth bass	*Microptera salmoides*	6.8	4
	Total	12.5	6
Fish caught by trap			

North 1			
Common Name	Scientific Name	Length (cm)	Weight (g)
Pumkinseed	*Lepomis gibbosus*	16.5	110
Fish caught by trap			

North 2			
Common Name	Scientific Name	Length (cm)	Weight (g)
Pumkinseed	*Lepomis gibbosus*	10.5	24
Fish caught by trap			

North 3			
Common Name	Scientific Name	Length (cm)	Weight (g)
Bluegill	*Lepomis macrochirus*	17.3	124
Fish caught by trap			

North 4			
Common Name	Scientific Name	Length (cm)	Weight (g)
Bluegill	*Lepomis macrochirus*	14	61
Fish caught by trap			

North 5			
Common Name	Scientific Name	Length (cm)	Weight (g)
American eel	*Anguilla rostrata*	30	51
Fish caught by trap			

North 6			
Common Name	Scientific Name	Length (cm)	Weight (g)
Pumkinseed	*Lepomis gibbosus*	7.3	6
Pumkinseed	*Lepomis gibbosus*	7	6
Pumkinseed	*Lepomis gibbosus*	7	5
Pumkinseed	*Lepomis gibbosus*	6.1	3
Pumkinseed	*Lepomis gibbosus*	7.2	7
Pumkinseed	*Lepomis gibbosus*	6.5	5
Pumkinseed	*Lepomis gibbosus*	6.8	5
Pumkinseed	*Lepomis gibbosus*	6.3	5
Pumkinseed	*Lepomis gibbosus*	6	4
Pumkinseed	*Lepomis gibbosus*	6.3	6
Pumkinseed	*Lepomis gibbosus*	6.6	5
Pumkinseed	*Lepomis gibbosus*	6.1	4
	Total	79.2	61
Fish caught by trap			

North 7			
Common Name	Scientific Name	Length (cm)	Weight (g)
largemouth bass	*Microptera salmoides*	3.9	1
largemouth bass	*Microptera salmoides*	6.6	3
largemouth bass	*Microptera salmoides*	6.5	3
largemouth bass	*Microptera salmoides*	6.3	2
largemouth bass	*Microptera salmoides*	4.1	1
largemouth bass	*Microptera salmoides*	4.6	1
largemouth bass	*Microptera salmoides*	6.1	2
largemouth bass	*Microptera salmoides*	4.3	1
largemouth bass	*Microptera salmoides*	3.9	1
largemouth bass	*Microptera salmoides*	3.8	1
largemouth bass	*Microptera salmoides*	3.9	1
largemouth bass	*Microptera salmoides*	5.6	1
largemouth bass	*Microptera salmoides*	5.6	1
largemouth bass	*Microptera salmoides*	6.5	1
largemouth bass	*Microptera salmoides*	5.5	2
largemouth bass	*Microptera salmoides*	6.4	3
largemouth bass	*Microptera salmoides*	4.5	<1
largemouth bass	*Microptera salmoides*	5.2	2
largemouth bass	*Microptera salmoides*	4.2	<1
largemouth bass	*Microptera salmoides*	4.3	<1
	Total	101.8	30
Fish caught by trap			

North 8

Common Name	Scientific Name	Length (cm)	Weight (g)
Bluegill	*Lepomis macrochirus*	6.5	4
Bluegill	*Lepomis macrochirus*	6.8	5
Bluegill	*Lepomis macrochirus*	6.6	6
Bluegill	*Lepomis macrochirus*	7.1	6
Bluegill	*Lepomis macrochirus*	6	3
Bluegill	*Lepomis macrochirus*	6.5	4
Bluegill	*Lepomis macrochirus*	7	6
Bluegill	*Lepomis macrochirus*	6.1	3
Bluegill	*Lepomis macrochirus*	5.5	2
Bluegill	*Lepomis macrochirus*	6.1	3
Bluegill	*Lepomis macrochirus*	5.6	3
Bluegill	*Lepomis macrochirus*	6	4
Bluegill	*Lepomis macrochirus*	5.2	2
Bluegill	*Lepomis macrochirus*	5.5	2
Bluegill	*Lepomis macrochirus*	2.8	1
Bluegill	*Lepomis macrochirus*	5.5	2
Bluegill	*Lepomis macrochirus*	3	1
Bluegill	*Lepomis macrochirus*	6.1	3
	Total	103.9	60
Fish caught by trap			