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Groundwater Sampling Report (May 2016 Sampling Event) Dzus Fasteners Site Site #1-52-033 Work Assignment No. D007626-17.1

Final

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1.0 Introduction

AECOM Technical Services Northeast, Inc., (AECOM) has prepared this Groundwater Monitoring Report for the Dzus Fasteners facility (Site) in West Islip, New York (Site No. 1-52-033). This work was performed for the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment D007626-17.1. This groundwater monitoring report provides the results of the groundwater sampling data and the surface water/sediment samples collected in May 2016.

AECOM collects groundwater samples from selected monitoring wells and surface water/sediment samples from Willetts Creek and Lake Capri at five-quarter (15 month) intervals as part of the Site's long-term monitoring plan. Four rounds of fish tissue samples were also collected from Lake Capri in July 2006, May 2007, October 2010 and September 2012. Fish tissue data results were documented in separate reports, the most recent of which was submitted in January 2013 for the September 2012 sampling event. Previous groundwater sampling was conducted in June 2006, August 2007, November 2008, March 2010, May 2011, August 2012, November 2013 and March/April 2015. This report presents the results from the latest round of sampling conducted in May 2016.

2.0 Background Information

The Dzus Fasteners Superfund site is located at 425 Union Boulevard, West Islip, Suffolk County, New York (Figure 1). The Site is bounded to the north by railroad tracks and Union Boulevard to the south and east. The Site is bounded to the west by Beach Street and commercial properties. On the southeast side of Union Boulevard is a shopping plaza and southeast of the shopping plaza is Willetts Creek (a Class A surface water body). Willetts Creek flows south, paralleling Everdell Avenue past the Beach Street Middle School and West Islip Senior High School, eventually discharging into Lake Capri approximately 4,500 feet (ft) south of the Site.

The Dzus Fastener facility (the name was changed to DFCI Solutions, Inc. in 2001), a manufacturer of fastener and springs from 1932 to 2015, was responsible for the release of oils, heavy metals, and salts via onsite leaching pools used for the disposal of hazardous waste and formal discharge into Upper Willetts Creek. These operations led to soil and groundwater contamination at the Dzus facility and downstream groundwater, sediment, and surface water contamination of nearby Willetts Creek and Lake Capri, an 8-acre man-made lake.

An initial site inspection took place in August 1983. Contamination was discovered and a preliminary site assessment was completed in September 1984. A phase I investigation was completed and a phase II investigation was submitted by Dzus in August of 1990. Dzus then completed an Interim Remedial Measure (IRM) in October 1990. During the IRM, a leach field on the eastern side of the site was removed. A remedial investigation / feasibility study (RI/FS) was initiated at the site in 1992. The site was then broken up into the two Operable Units (OU), OU1, the Dzus facility; and OU2, the offsite localities including Willetts Creek and Lake Capri. A Record of Decision (ROD) for OU1 was issued for the site in March 1995, and a ROD for OU2 was issued for the site in October 1997.

In response to the ROD for OU1, the remedy for contaminated groundwater in the vicinity of the Dzus facility consisted of source removal and ongoing natural attenuation.

The eastern parking lot at the Dzus facility was paved with asphalt to eliminate the potential for direct human contact with the underlying contaminated soils at the site, and to eliminate or reduce the mobility of soil contaminants that would cause further groundwater degradation. The selected remedy consisted of the following:

- In-situ stabilization/solidification for soils containing cadmium at concentrations greater than 10 parts per million (ppm). Three areas on the western portion of the facility were excavated and mixed with the soils to be treated on the eastern portion of the Site;
- Design and installation of a final topsoil/asphalt cover at the eastern portion of the Site, which would protect the treatment cells from erosion;

- Implementation of institutional controls, such as deed restrictions at the Site.

The second operable unit, Operable Unit 2 (OU2) consisted of offsite contamination, including sediment and water contamination of Willetts Creek and Lake Capri. A ROD for OU2 was issued for the Site by NYSDEC in October 1997.

The selected remedy consisted of the following:

- The fish population of Lake Capri was eradicated using Rotenone, a NYSDEC approved fish eradicator, in July 1999 prior to dredging operations;
- Dredging, dewatering and off-site disposal of contaminated sediments from Lake Capri;
- Excavation and off-site disposal of approximately 100 cubic yards of sediment from Willetts Creek, corresponding to levels of cadmium exceeding 9 ppm (currently, the highest effects guidance value);
- Riprap was used to cover portions identified as having deeper zones of contamination in order to prevent future erosion;
- A long-term monitoring program to evaluate the effectiveness of the on-site remedy and to verify that existing groundwater plume does not impact public health or environment; and,
- The lake was restocked with silversides, bluegill (*Lepomis macrochirus*), and largemouth bass (*Microptera salmoides*) after completion of the remedial activities in 2000.

After these remedial actions were completed, the Site was classified as a Class 4 Site. On January 13, 2016, the Site was reclassified from a Class 4 (site properly closed-requires continued management) to a Class 2 (significant threat to the public health or environment-action required)

Activities at the Site are being conducted in accordance with the Site Management Plan (SMP) dated May 2014. As part of the OM&M, a long-term monitoring plan (LTMP) was developed for OU1 and OU2 with regard to monitoring of groundwater, surface water, sediment, and the asphalt cover (engineering control) in the manufacturing facility's eastern parking lot.

The ROD for OU1 (on-site soils) lists the metals contaminants of concern as cadmium, chromium and nickel. The ROD for OU2 (groundwater, and surface water and sediment in Willetts Creek and Lake Capri) lists the metals contaminants of concern for groundwater as cadmium and chromium, surface water as cadmium, and sediment as cadmium and lead. Several other metals, including antimony, arsenic, chromium, iron, lead, manganese, sodium, thallium and zinc, have been found in exceedance of published standards in groundwater at the Site and in the surface water and sediments of nearby Willetts Creek and Lake Capri.

A total of 14 wells and six surface water/sediment sample locations were identified for long term monitoring at the Site (Figure 2). Additional sediment samples and a surface water sample were collected April 2015 in the small cove at the northern end of the Lake (Figure 2A).

A surface water sample collected at cove location SC-4 found exceedances of iron, manganese and sodium (Table 5). There were no other exceedances noted.

Five sediment samples were collected in the cove. Four were analyzed for cadmium only and one was analyzed for TAL metals (Table 6). Cadmium was not detected in two samples. The concentration exceeded the lowest effects criterion in three samples, one of which exceeded the highest effects level. There were no other metals exceedances noted in the cove samples.

3.0 Field Activities

Groundwater sampling activities occurred on May 11, 12 and 13, 2016. Surface water and sediment sampling occurred on May 21, 2016. Sampling was conducted in accordance with the SMP (May 2014). Groundwater samples were collected using low flow techniques starting with the August 2012 sampling event; previous samples were collected using the volumetric method. All field work was performed in Level D personal protection.

NYSDEC Monitoring Well Field Inspection Logs were prepared for each well and are presented in Appendix A. Monitoring well MW-1 was destroyed in December 2007 during snow removal and had not been sampling during subsequent sampling events. The well was replaced in August 2015 and is included in this sampling event.

3.1 Groundwater Level Survey

A summary of well construction data is presented in Table 1. Prior to the start of sampling, a synoptic round of water levels was collected from the 14 monitoring wells selected for sampling. Groundwater elevation readings were recorded on the NYSDEC Monitoring Well Field Inspection Forms and are included in Appendix B. Groundwater elevation data are presented on Table 2. A groundwater contour map was prepared for the May 11, 2016 synoptic event and is presented on Figure 3. As shown on the figure, the general direction of groundwater flow at the Site is to the south. A low hydraulic gradient of 0.0020 ft/ft was calculated. Groundwater hydrographs for the monitoring wells are presented in Figure 3A.

3.2 Groundwater Sampling

The 14 wells identified for long term monitoring at the Dzus Site are: MW-1, MW-2, MW-3, MW-9, MW-9B, MW-13A, MW-13B, MW-15A, MW-15B, MW-18, MW-22A, MW-22B, MW-23A and MW-23B. MW-17, northeast of the Dzus facility (Figure 2), was located in 2014 and included in this sampling event.

Groundwater sampling occurred on May 11, 12 and 13, 2016. A peristaltic pump with poly tubing was used to purge each monitoring well. The flow rate was set between 200 and 400 mL per minute. At approximately five-minute intervals, drawdown was measured. A flow cell was used to collect measurements of pH, dissolved oxygen (DO), specific conductance, oxygen reduction potential (ORP), temperature and turbidity. These readings were recorded on the Well Sampling Forms. Once the parameters had stabilized, a sample was collected directly from the discharge line. The sample was placed into laboratory supplied containers and packed in an ice-filled cooler. During this round, filtered metals samples were also collected. Groundwater samples were filtered in the field immediately upon collection using dedicated, disposable 0.45 micron filters. Filtered groundwater was

then poured into a laboratory supplied container and placed in an ice filled cooler. The samples were then transported to Hampton Clarke Veritech via the laboratory's courier. Proper chain-of-custody procedures and requirements were maintained throughout the sampling event in accordance with the SMP.

3.3 Surface Water / Sediment Sampling

Six paired surface water/sediment samples (plus a field duplicate for each matrix) were collected from Lake Capri and Willetts Creek on May 21, 2016. 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 an Eckman dredge to reach the lake bottom sediments. Excess water was decanted from the sediment sample prior to placement in the sample jars. Sample forms are included in Appendix A.

3.4 Site Inspection

A Site inspection was performed on June 7, 2016 in accordance with the SMP. The completed Site Inspection form is in Appendix D. The Site was found to be in generally good condition. There was no evidence of illegal disposal activities or excessive weed growth. The asphalt cap on the DFCI property was inspected to determine if the engineering control was functioning properly. The asphalt cap in the eastern area of the property covers the contaminated soil that was stabilized through soil mixing with cement during the implementation of the ROD. The asphalt also serves as a parking lot for the facility. The inspection found that conditions in the parking area had not changed significantly since the last inspection in March 2015. There were some cracks noted in the asphalt but they do not appear to be detrimental to the cap.

Although the SMP calls for the inspection of the riprap in Willetts Creek, the field crews have not been able to locate the riprap.

Lake Capri was also inspected. Excessive weed growth was noted in the lake. Otherwise, the lake level appears to the same as the last inspection.

4.0 Sampling Results

Groundwater, surface water, and sediment samples were analyzed for target analyte list (TAL) metals using USEPA Method 6010/7401/7471. The analyses were performed by Hampton Clarke Veritech, Fairfield, New Jersey, a NYSDOH ELAP certified laboratory (ELAP certification number 11408). As specified in the work plan, formal data validation was not performed; however, an AECOM chemist provided a limited review of the data packages. The data quality evaluation for this sampling event is presented in Section 4.4.

4.1 Groundwater Data

Groundwater samples were collected from 15 monitoring wells during the May 2016 sampling event. During the first four sampling events, only total metals analyses were performed on the monitoring well samples. During the May 2011, August 2012, November 2013, March 2015 and May 2016 sampling events, samples for both total and dissolved metals analyses were collected from each monitoring well. The laboratory data summary packages are included in Appendix C. A summary of the detections from all nine long-term sampling events is presented in Table 3. A summary of the exceedances from this groundwater sampling event is presented on Figure 4. A bar graph showing the cadmium concentrations for all 9 rounds is presented on Figure 5.

One monitoring well, MW-17, is located upgradient of the Site along Orinoco Drive, immediately west of Willetts Creek. Five wells (MW-1, MW-2, MW-3, MW-9A and MW-9B) are located on Site and are considered source area monitoring wells. Five wells (MW-13A, MW-13B, MW-15A, MW-15B and MW-18) are located downgradient of the Site. Four wells (MW-22A, MW-22B, MW-23A and MW-23B) are located along Willetts Creek.

Ten metals have been detected at concentrations above their Class GA criteria at least once during the nine rounds of groundwater sampling at the Site. These metals include cadmium and chromium (contaminants of concern [COCs] listed in the OU1 ROD), and antimony, arsenic, lead, manganese, selenium, sodium, and thallium. Out of these metals, only cadmium, iron, manganese, and sodium were detected at concentrations above Class GA criteria in May 2016.

4.1.1 Upgradient Monitoring Well

Monitoring well MW-17 was first included in the long term monitoring program in Round 8 (March 2015). Cadmium and chromium were not detected in any of the unfiltered or filtered samples from Round 8 or Round 9 (May 2016). Concentrations of Iron and manganese exceeded the criterion in unfiltered samples in both rounds but were not detected in filtered samples.

4.1.2 Source Area Monitoring Wells

Ten TAL metals (antimony, arsenic, cadmium, chromium, iron, lead, manganese selenium, sodium and thallium) have been detected in the five wells included in the source area monitoring wells (MW-1, MW-2, MW-3, MW-9 and MW-9B).

Historically, concentrations of antimony, arsenic, lead, selenium and thallium have been sporadically detected above their respective criterion in source area monitoring wells during the nine sampling rounds. Each exceedance was in an unfiltered sample and the filtered samples were all not detected. None of these six metals were detected during the Round 9 sampling event.

Concentrations of iron, manganese and sodium were detected above their respective criteria during the Round 9 sampling event in both unfiltered and filtered samples.

Cadmium was detected in both the unfiltered and filtered samples from MW-3 at concentrations of 11.0 micrograms per liter ($\mu\text{g/L}$) and 9.4 $\mu\text{g/L}$ (Figure 5A). Chromium was not detected in any of the source area monitoring wells.

4.1.3 Downgradient Monitoring Wells

Eight TAL metals (antimony, cadmium, iron, lead, manganese selenium, sodium and thallium) have been detected in the five wells are included the source area monitoring wells (MW-13A, MW-13B, MW-15A, MW-15B and MW-18).

Historically, concentrations of antimony, lead, selenium and thallium have been sporadically detected above their respective criterion in downgradient monitoring wells during the nine sampling rounds. None of these four metals were detected during the Round 9 sampling event.

Concentrations of iron, manganese and sodium were detected above their respective criteria during the Round 9 sampling event in both unfiltered and filtered samples.

Cadmium was detected in both the unfiltered and filtered samples at MW-13A, MW-13B, and MW-15A. Cadmium in unfiltered samples exceeded the criterion at all three locations with concentrations ranging from 6.9 $\mu\text{g/L}$ to 11 $\mu\text{g/L}$. Cadmium in filtered samples exceeded the criterion in two of three samples with concentrations ranging from 4.8 $\mu\text{g/L}$ to 8.5 $\mu\text{g/L}$ (Figure 5A). Chromium was not detected in any of the downgradient monitoring wells during Round 9.

4.1.4 Willetts Creek Monitoring Wells

Nine TAL metals (antimony, cadmium, chromium, iron, lead, manganese selenium, sodium and thallium) have been detected in the four wells are included the Willetts Creek monitoring wells (MW-22A, MW-22B, MW-23A, and MW-23B).

Historically, concentrations of antimony, chromium, lead, selenium and thallium have been sporadically detected above their respective criterion in Willetts Creek monitoring wells during the nine sampling rounds. None of these five metals were detected during the Round 9 sampling event.

Concentrations of iron, manganese and sodium were detected above their respective criteria during the Round 9 sampling event in both unfiltered and filtered samples. Historically, concentrations of these three metals have exceeded their criterion in a majority of samples collected.

Cadmium concentrations exceeded the criterion in monitoring wells MW-23A (unfiltered sample only, 8.9 µg/L) and both the unfiltered and filtered samples from MW-23B (42 µg/L and 37 µg/L). Historically, cadmium concentrations exceeded the criterion in most of the samples from these two wells (figure 5A). Unfiltered cadmium concentrations at MW-23A during the first five sampling rounds were significantly higher than rounds 6 through 9. This is most likely a result of the purging method. Rounds 1 through 5 were purged using the volumetric method and sampled with bailers; starting with Round 6, wells were purged and sampled using low flow techniques. Purging at higher flow rates can increase the turbidity, affecting the metals values in the unfiltered samples.

4.2 Filtered versus Unfiltered Metals Groundwater Samples

Concentrations of total metals in groundwater samples at the Site tended to be highly variable between sampling events, as did field measurements of turbidity at time of sample collection. *Turbidity is typically correlated with the presence of suspended matter (e.g., entrained soil particles in the sample).* Therefore, both total metals (unfiltered) and dissolved metals (field filtered) groundwater samples were collected during this sampling event to evaluate the effect of turbidity on the metals concentrations.

The NYSDEC criterion for filtering groundwater samples is provided in DER-10 Section 2.1(g). At the Dzus Fasteners Site, the turbidity was below 50 nephelometric units (NTU) at the time of sampling in 13 of 15 samples (Table 4). The turbidity ranged from 2 to 276 (MW-13A).

Table 4 presents a comparison of the total metals and the dissolved metals data for the 14 filtered/unfiltered sample pairs collected at the Dzus Fasteners Site. The “percent dissolved” shown on the table is the ratio of the filtered sample concentration to the total (unfiltered) sample concentration. Where a metal was not detected in the filtered sample, no calculation was made.

As expected, concentrations of metals that typically exist primarily in the dissolved phase (sodium, potassium, and calcium) were generally similar in the filtered and unfiltered samples, regardless of the sample turbidity.

Metals highly associated with particles (e.g., aluminum) would tend to be higher in the more turbid samples; however, no clear relationship between turbidity (ranging from 0.2 to 71 NTUs) and total metals concentrations was established, likely due to the relatively low turbidities (i.e., 13 of 15

samples were less than 50 NTUs). Iron and cadmium, which can be found as either dissolved or bound to particles, were to varying degrees found to be either about equal in filtered/unfiltered pairs, or lower in the filtered samples. However except for a few cases, even these metals were generally above 80 percent in the dissolved phase.

4.3 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 5. The results were compared to the NYSDEC Class A surface water criteria. The laboratory data package for the May 2016 sampling event is included in Appendix C. A summary of the exceedances is presented on Figure 7.

The OU2 ROD lists cadmium as the only metal COC for surface water in Lake Capri and Willetts Creek. Seven other metals, including antimony, iron, lead, manganese, selenium, sodium and thallium have been detected at concentrations above the surface water criteria. Of these, only five (cadmium, iron, lead, manganese, and sodium) were detected at concentrations above the Class A criteria in May 2016.

Cadmium was not detected above the criterion in any of the four lake samples collected during the May 2016 event. Historically, cadmium has been detected in the majority of the lake samples but none have exceeded the criterion. Cadmium was detected in one of the two creek samples collected during the May 2016 sampling event at a concentration that exceeded the criterion. Historically, cadmium concentrations at location SW-5 have exceeded the criterion in seven of nine samples collected at this location.

Antimony was not detected in any of the six surface water samples collected in May 2016. Historically, antimony concentrations and exceedances have been sporadically detected the creek and lake waters. Antimony does not appear to be a contaminant of concern at the Site.

Iron was detected above the criterion in one of four lake samples and both creek samples during the May 2016 sampling event. Historically, iron concentrations have exceeded the criterion in a majority of samples collected from the lake and creek. Iron is a naturally occurring metal in Long Island surface water is not considered to be Site related.

Lead was detected below the criterion in one of four lake samples. Lead was detected in both creek samples with SW-5 exceeding the criterion. Historically, lead has only been detected in 15 of 54 samples collected at the site during nine rounds of sampling and this was the first exceedance.

Manganese was detected above the criterion in two of four lake samples and one of two creek samples during the May 2016 sampling event. Historically, manganese concentrations have exceeded the criterion in a majority of the samples collected at the site. Manganese is a naturally occurring metal in Long Island surface water is not considered to be Site related.

Sodium was detected above the criterion in all six surface water samples collected during the May 2016 sampling event. Historically, sodium concentrations have exceeded the criterion in a majority of samples collected at the site. Sodium is a naturally occurring metal in Long Island surface water is not considered to be Site related.

Selenium was not detected in any of the six surface water samples collected in May 2016. Historically, selenium has only been detected twice in surface water samples at the site and only one of these, SW-6, exceeded the criterion. Selenium does not appear to be a contaminant of concern at the Site.

Thallium was not detected in any of the surface water samples collected during the May 2016 sampling event. Historically, thallium has been detected sporadically in samples collected at the Site. Only four samples collected during the nine rounds of sampling have exceeded the thallium criterion, all of which were in lake samples. Thallium does not appear to be a contaminant of concern at the Site.

In summary, cadmium and lead were detected above their respective criterion in SW-5. Iron exceeded the criterion in one lake sample and both creek samples; manganese exceeded the criterion in one lake sample and one creek sample; and sodium exceeded the criterion in all six samples.

4.4 Sediment Samples

Six co-located sediment samples were collected at the same locations as the surface water samples as shown on Figure 2. The data presented in Table 6 were compared to the NYSDEC Technical Guidance for Sediment Criteria lowest effects values. The laboratory data summary package is included in Appendix C. A summary of the exceedances is presented on Figure 8. The OU2 ROD lists cadmium and lead as COCs for sediments at the Site.

4.4.1 Lake Capri Sediment Samples

Four samples were collected from Lake Capri, two from the northern end of the Lake and two from the southern end of the Lake as shown on Figure 2.

Cadmium concentrations have exceeded the lowest effects criterion in all 36 lake sediment samples collected between 2006 and 2016 with concentrations ranging from 1.5 milligrams per kilogram (mg/kg) to 150 mg/kg (Figure 9). Of these, 34 samples also exceeded the highest effects level of 9 mg/kg.

Lead has been detected in all 36 lake sediment samples collected from Lake Capri at concentrations ranging from 9.2 mg/kg to 600 mg/kg. 32 of these samples exceeded the lowest effects level of 31 mg/kg and of these, 22 equaled or exceeded the highest effects level of 110 mg/kg (Figure 10).

Antimony has only exceeded the lowest effects criterion in two samples from the lake during the nine rounds of sampling. Antimony does not appear to be a contaminant of concern in Lake Capri.

Arsenic has been detected in 32 of 36 lake sediment samples, 14 of which exceeded the lowest effects criterion. Of these, 12 were from the two samples at the northern end of the Lake (Figure 9). None of the samples have exceeded the highest effects criterion of 33 mg/kg. Arsenic does not appear to be a contaminant of concern in lake sediment.

Chromium has been detected in 31 of 36 lake sediment samples at concentrations ranging from 1.5 mg/kg to 57.4 mg/kg, 15 of which have exceeded the lowest effects level of 26 mg/kg. None of the samples have exceeded the highest effects criterion of 110 mg/kg. Chromium does not appear to be a contaminant of concern in lake sediment.

Copper has been detected in all 36 lake sediment samples at concentrations ranging from 2.7 mg/kg to 160 mg/kg. 32 samples exceeded the lowest effects level of 16 mg/kg, and of these, 11 exceeded the highest effects level of 110 mg/kg (Figure 12). Copper was not found during on-site investigations and its presence is not considered site-related. The source of copper may be from residential pesticides use.

Iron has been detected in all 36 sediment samples collected during the nine rounds of lake sampling. However, only ten samples have exceeded the 20,000 mg/kg criterion. Nine of the ten exceedances were from the northern end of the lake. Iron is a naturally occurring metal in Long Island soils and is not considered to be site related.

Manganese has been detected in all 36 lake sediment samples at concentrations ranging from 89.8 mg/kg to 22,600 mg/kg. 27 samples have exceeded the lowest effects criterion of 460 mg/kg and 21 of these also equaled or exceeded the highest effects level of 1,100 mg/kg. Manganese is a naturally occurring metal in Long Island soils and is not considered to be site related.

Mercury has been detected in 26 of 36 lake sediment samples at concentrations ranging from 0.0071 mg/kg to 0.52 mg/kg. Of these, 14 exceeded the lowest effect level of 0.15 mg/kg. Eleven of these exceedances were noted in northern lake samples. None of the samples exceeded the highest effects criterion of 1.3 mg/kg. Mercury was not found during on-site investigations and is not considered to be site-related.

Nickel has been detected in 27 of 36 Lake Capri sediment samples at concentrations ranging from 3 mg/kg to 38.0 mg/kg. Twelve samples exceeded the lowest effects level of 16 mg/kg. Ten of these exceedances were noted in the two northern samples. None of the samples exceeded the highest effects criterion of 50 mg/kg. Nickel was not found during on-site investigations and is not considered to be site related.

Silver has only been detected in three Lake Capri sediment samples at concentrations ranging from 0.33 mg/kg to 2.7 mg/kg. Two samples exceeded the lowest effects level of 1 mg/kg and one exceeded the highest effects level of 2.2 mg/kg. Silver was not found during on-site investigations and is not considered to be a contaminant of concern in lake sediments.

Zinc was detected in all 36 Lake Capri sediment samples at concentrations ranging from 10 mg/kg to 770 mg/kg (Figure 13). Of these, 25 samples exceeded the lowest effect level of 120 mg/kg and 15 exceeded the highest effects level of 270 mg/kg. Twelve of the highest effects level exceedances were noted in the two samples from the northern end of the lake. Zinc is a naturally occurring metal in Long Island sediments and is not considered to be site related.

4.4.2 Willetts Creek Sediment Samples

Sample SED-5 was collected near the Burling Lane footbridge and SED-6 was collected behind the Ace Hardware store on Union Boulevard. The sample locations are shown on Figure 2. As noted above, the OU2 ROD listed cadmium and lead as contaminants of concern for creek sediments.

During the nine rounds of sediment sampling in Willetts Creek, 11 TAL metals have been detected at concentrations that exceed the lowest effects level including antimony, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc.

Cadmium was detected in 15 of 18 creek sediment samples with concentrations ranging from 0.23 mg/kg to 140 mg/kg (Figure 9). Ten samples exceeded the lowest effects level of 0.6 mg/kg and six also exceed the highest effects level of 9 mg/kg.

Lead has been detected in all 18 creek sediment samples at concentrations ranging from 4.9 mg/kg to 350 mg/kg. Ten of these samples exceeded the lowest effects level of 31 mg/kg and of these, four also exceeded the highest effects level of 110 mg/kg (Figure 12).

Antimony has only exceeded the lowest effects criterion in one sample from the creek. Antimony is not a contaminant of concern in creek sediments.

Arsenic has been detected in 17 of 18 creek sediment samples at concentrations ranging from 0.56 mg/kg to 18.0 mg/kg. Six of these exceeded the lowest effects criterion of 6 mg/kg. None exceeded the highest effects level (Figure 9). Arsenic is not a contaminant of concern in creek sediment.

Chromium has been detected in 15 of 18 creek sediment samples at concentrations ranging from 2.4 mg/kg to 64 mg/kg. Six samples exceeded the lowest effects level of 26 mg/kg. None of the samples exceeded the highest effects criterion of 110 mg/kg. Chromium is not a contaminant of concern for creek sediments.

Copper has been detected in all 18 creek sediment samples at concentrations ranging from 4.7 mg/kg to 210 mg/kg. Ten samples exceeded the lowest effects level of 16 mg/kg, and of these, three also

equaled or exceeded the highest effects level of 110 mg/kg (Figure 11). As noted above in the discussion of lake sediments, copper was not found during on-site investigations and is not considered to be site related. The presence of copper in creek sediments may be a result of residential pesticide use.

Iron has been detected in all 18 creek sediment samples. Eight samples exceeded the 20,000 mg/kg criterion. Iron is a naturally occurring metal in Long Island soils and is not considered to be site-related.

Manganese has been detected in all 18 creek sediment samples at concentrations ranging from 162 mg/kg to 3,750 mg/kg. Eight samples have exceeded the lowest effects criterion of 460 mg/kg and four of these also exceeded the highest effects level of 1,100 mg/kg. Manganese is a naturally occurring metal in Long Island soils and is not considered to be site-related.

Mercury has been detected in 12 of 18 creek sediment samples at concentrations ranging from 0.0055 mg/kg to 1.2 mg/kg. Of these, six equaled or exceeded the lowest effect level of 0.15 mg/kg. None exceeded the highest effects criterion of 1.3 mg/kg. Mercury is not considered to be a contaminant of concern in creek sediment.

Nickel has been detected in 14 of 18 creek sediment samples at concentrations ranging from 1 mg/kg to 32.0 mg/kg. Four samples exceeded the lowest effects level of 16 mg/kg. None exceeded the highest effects criterion of 50 mg/kg. Nickel is not considered to be a contaminant of concern in creek sediment.

Zinc was detected in all 18 creek sediment samples at concentrations ranging from 24.2 mg/kg to 700 mg/kg (Figure 13). Seven samples exceeded the lowest effect level of 120 mg/kg and six of these also exceeded the highest effects level of 270 mg/kg. Zinc is a naturally occurring metal in Long Island soil and is not considered to be site related.

4.5 May 2016 Data Quality Review

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

4.5.1 Groundwater

Filtered and unfiltered groundwater samples were collected from 15 monitoring wells on May 11 and 12, 2016 and received in good condition by the laboratory (Hampton Clarke Veritech, Fairfield, NJ) on May 12, and 13, 2016.

Samples were analyzed for target analyte list (TAL) metals as sample delivery groups AC91318 and AC 91350. Samples DMW-9B, (filtered and unfiltered) were designated as the QC samples (spike and duplicate analysis). Laboratory QC limits were met for holding times, initial and continuing calibrations, blanks, laboratory control sample (LCS) recovery, laboratory spike recovery, and laboratory duplicate recovery.

In AC91318, the matrix spikes were outside of QC control limits for arsenic, cobalt, and selenium (results would be biased high). The MS/MSD RPD was outside of control limits for arsenic. The serial dilutions were outside control limits for barium. These results suggest matrix interferences for these metals. The laboratory did not qualify any of these results.

In AC91350, the serial dilutions were outside control limits for aluminum and zinc, suggesting matrix interferences for these metals. The laboratory did not qualify any of these results.

One filtered/unfiltered site-specific field duplicate groundwater sample pair (MW-9BU and 9BF/MW-59BU and 59BF) was collected from the Dzus site in March 2015. Precision for the field duplicates is presented in Table 7. In the unfiltered sample pair (15U/65U), relative percent difference (RPD) ranged from 0.0 to 7.4 percent for calcium, and sodium. Precision for the filtered duplicate pair (15F/65F) had a RPD for sodium of 22.2 percent, and 15.4 percent for calcium.

The filtered/unfiltered data pairs (see Table 4) were reviewed for anomalies, using the USEPA Region II metals validation criteria (USEPA HW-2, revision 13; USEPA, 2006). Based on these criteria, if the dissolved (filtered sample) result exceeds the total (unfiltered) sample by more than 20 percent, the accuracy of the quantitation is suspect (i.e., the data would be flagged "J", for estimated), and if the filtered sample result exceeds the unfiltered sample result by more than 50 percent, the data may be unusable (flagged "R", rejected). Only in one sample (MW-2) were there two exceedances of the 20 percent threshold with calcium at 28% and cobalt at 21%.

4.5.2 Surface Water

Surface water samples were collected from six locations (co-located with sediment samples, discussed below) plus a field duplicate on May 20, 2016 and received in good condition by the laboratory (Hampton Clarke Veritech, Fairfield, NJ) on May 23, 2016.

Surface water samples were analyzed for TAL metals as sample delivery group AC91487. Sample SW-4 was designated as the QC sample. Laboratory QC limits were met for holding times, initial and continuing calibrations, blanks, LCS recovery, laboratory spike recovery, and replicates. The serial dilutions for manganese and zinc were outside the QC limits suggesting matrix interference.

One site-specific field duplicate pair (SW-3 and SW-7) was collected in November 2013. Precision for the field duplicate (see Table 8) had RPDs ranging from 6.9 to 8.7 percent for the 3 metals (calcium, manganese, and sodium) detected in both samples.

4.5.3 Sediment

Sediment samples were collected from six locations (co-located with surface water samples) plus a field duplicate on May 20, 2016 and received in good condition by the laboratory (Hampton Clarke Veritech, Fairfield, NJ) on May 23, 2016.

Sediment samples were analyzed for TAL metals as sample delivery group AC91487. Sample SED-2 was designated as the QC sample. Laboratory QC limits were met for holding times, initial and continuing calibrations, blanks, and LCS recovery. The matrix spike/ matrix spike duplicate had recoveries outside limits for antimony, cadmium, calcium, lead, and zinc. The cadmium may be biased high. The RPD between the MS/MSD for antimony, cadmium, lead, and manganese were outside of limits. Serial dilution results for manganese, and potassium were outside of limits. These results suggest possible matrix interference; however the laboratory did not qualify any of the data.

One site-specific field duplicate pair (SED-3 and Sed-7) was collected in May 2016. Precision for that sample pair (see Table 9) had RPDs ranging from 129 to 167 percent, with the field duplicate always containing substantially lower concentration of the metals. All ten metals detected in both samples were above 20 percent RPD, suggesting that the sample was very variable in composition.

4.5.4 Overall Round 9 Data Quality Assessment

Field and laboratory-reported QC associated with the three Dzus sample delivery groups (SDGs) (AC91487 for surface water/sediment, and AC91318 and AC 91350 for groundwater) was acceptable for the groundwater and surface water/sediment samples. Laboratory QC was acceptable for the sediment samples. The laboratory reported that the data quality was acceptable. The data are considered usable for their intended purpose.

5.0 Summary and Recommendations for Future Site Remediation Activities

5.1 Groundwater

Cadmium has been detected in every monitoring well sampled at the Site at least once during the nine sampling events. The majority of the exceedances of the 5 µg/L Class GA criterion are concentrated in six wells along the eastern side of the Site: MW-3, MW-9, MW-13, MW-15A, MW-23A and MW-23B as shown on Figure 5A. As noted in Section 4.1.4, the decrease in cadmium concentrations in MW-23A has been attributed to turbidity caused by the volumetric purge method during Rounds 1 through 5. As shown on Figures 6, 6A, 6B and 6C, the cadmium concentrations in deep monitoring well MW-23B are above 30 µg/L (screened at a depth of 35 to 45 ft below ground surface [bgs]). It is unlikely that Willetts Creek is capturing groundwater in the deep monitoring well. As shown on these three isoconcentration maps, the cadmium plume most likely extends east of the creek towards Everdell Avenue.

Chromium has been detected in less than half of the groundwater samples collected at the Site during the nine sampling rounds and has only exceeded the 50 µg/L criterion in two wells, MW-9 (four of nine samples) and MW-23B (three of nine samples).

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

5.2 Surface Water

Cadmium has been detected in almost every surface water sample collected from Lake Capri during the nine sampling events; however, none have exceeded the 5 µg/L criterion. Cadmium was also detected in Willetts Creek surface water sample SW-5 and exceeded the criterion in seven of nine samples. There was only one anomalous exceedance in Willetts Creek sample SW-6 during the nine sampling events; cadmium detected below the criterion in two samples, was not detected in five samples and the creek was dry during the November 2013 sampling event.

A majority of samples from Lake Capri and Willetts Creek had exceedances of iron, manganese and sodium. These most likely represent natural conditions and are not Site related.

5.3 Sediments

The sediment sample data indicate that the surficial sediments in Lake Capri and Willetts Creek remain contaminated with metals concentrations above the applicable NYSDEC Technical Guidance for Sediment Criteria. Cadmium has been detected above the lowest effects criterion in 46 of 54 samples collected during the nine rounds of sampling and above the highest effects level in 40 of 54 samples as shown on Figure 5. The four lake samples indicate that cadmium is still a contaminant of concern for the lake bottom sediments. The lower Willetts Creek sample (SED-5) indicates that cadmium contamination is still present in the lower reach of the creek. The sediment sample nearest the Site, SED-6, has mostly been below the guidance values.

Lead has been detected above the lowest effects criterion in 42 of 54 samples collected as shown on Figure 12. Of these, 26 were above the highest effects level. The highest concentrations appear to be along the southern end of the lake (SED-1 and SED-2).

Several other metals including antimony, arsenic, chromium, copper, iron, manganese, mercury, nickel, and zinc, have been detected sporadically at concentrations exceeding the criteria during the nine sampling events.

5.4 Recommendations

The collection of filtered metals samples can be discontinued for the next sampling round.

As mentioned above, it appears that the cadmium plume extends beneath Everdell Avenue, east of Willetts Creek. Geoprobe borings should be advanced along Everdell Avenue to collect groundwater samples to verify the concentrations downgradient of the MW-23A/MW-23B well cluster. Proposed geoprobe boring locations are shown on Figure 14. Hydropunch samples will be collected from two borings at the water table (approximately 5 ft bgs); 20 ft bgs; 30 ft bgs; 40 ft bgs; and 50 ft bgs.

Incorporate the findings of the Willetts Creek sediment sampling into the long term monitoring program. Select new sampling locations in Willetts Creek and Lake Capri for long term monitoring.

The next five-quarter sampling event is scheduled for August 2017.

Tables

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

Well Number	Latitude	Longitude	Ground Elevation	Top of Riser Elevation	Top of Casing Elevation	Total Depth of Well
MW-1	40° 42.49	73° 18.10	22.44	22.03	22.44	15.3
MW-2	40° 42.45	73° 18.10	22.16	21.42	22.16	14.3
MW-3	40° 42.49	73° 18.02	20.23	19.71	20.23	15.0
MW-9	40° 42.50	73° 18.02	19.14	18.83	19.14	11.5
MW-9B	40° 42.49	73° 18.01	19.08	18.75	19.08	44.5
MW-13A	40° 42.44	73° 17.100	16.34	16.02	16.34	10.7
MW-13B	40° 42.43	73° 17.99	16.14	15.82	16.14	44.3
MW-15A	40° 42.49	73° 17.97	19.45	19.09	19.45	28.8
MW-15B	40° 42.50	73° 17.96	19.35	19.06	19.35	84.7
MW-17						16.0
MW-18			14.69	14.31	14.66	13.5
MW-22A	40° 42.491	73° 17.941	20.49	20.09	20.49	14.4
MW-22B	40° 42.491	73° 17.941	20.35	19.95	20.35	44.5
MW-23A	40° 42.402	73° 17.991	17.57	17.34	17.57	14.3
MW-23B	40° 42.403	73° 17.987	17.54	17.29	17.54	44.5

Notes:

All elevations and depths are in feet

Vertical datum: on-site benchmark from previous survey.

Latitude / Longitude taken from a previous report

Survey performed by YEC, Inc., on April 18, 2007

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-1	22.03	6/8/06	8.00	14.03	could not be located, damaged during snow removal not collected
		8/22/07	8.62	13.41	
		11/11/08	NC		
		3/10/10	NC		
		5/25/11	NC		
		8/22/12	NC		
		11/5/13	NC		
		3/18/15	NC		
		5/12/16	8.86	13.17	
MW-2	21.42	6/8/06	8.15	13.27	Well was replaced in August 2015
		8/22/07	8.50	12.92	
		11/11/08	8.30	13.12	
		3/10/10	7.43	13.99	
		5/25/11	7.77	13.65	
		8/22/12	8.33	13.09	
		11/5/13	9.66	11.76	
		3/18/15	7.43	13.99	
		5/12/16	8.51	12.91	
MW-3	19.71	6/8/06	5.77	13.94	
		8/22/07	6.30	13.41	
		11/11/08	6.25	13.46	
		3/10/10	5.36	14.35	
		5/25/11	5.62	14.09	
		8/22/12	6.23	13.48	
		11/5/13	7.53	12.18	
		3/18/15	5.34	14.37	
		5/12/16	6.31	13.40	
MW-9 (shallow)	18.83	6/8/06	4.59	14.24	
		8/22/07	5.15	13.68	
		11/11/08	5.01	13.82	
		3/10/10	4.19	14.64	
		5/25/11	4.45	14.38	
		8/22/12	5.05	13.78	
		11/5/13	6.50	12.33	
		3/18/15	4.20	14.63	
		5/12/16	5.24	13.59	

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-9B (deep)	18.75	6/8/06	4.50	14.25	
		8/22/07	5.05	13.70	
		11/11/08	4.93	13.82	
		3/10/10	4.11	14.64	
		5/25/11	4.36	14.39	
		8/22/12	5.00	13.75	
		11/5/13	5.52	13.23	
		3/18/15	4.09	14.66	
		5/12/16	5.20	13.55	
MW-13A (shallow)	16.02	6/8/06	2.59	13.43	
		8/22/07	3.02	13.00	
		11/11/08	2.90	13.12	
		3/10/10	2.27	13.75	
		5/25/11	2.51	13.51	
		8/22/12	2.93	13.09	
		11/5/13	4.41	11.61	
		3/17/15	2.22	13.80	
		5/12/16	3.02	13.00	
MW-13B (deep)	15.82	6/8/06	2.39	13.43	
		8/22/07	2.85	12.97	
		11/11/08	2.69	13.13	
		3/10/10	2.08	13.74	
		5/25/11	2.32	13.50	
		8/22/12	2.77	13.05	
		11/5/13	4.35	11.47	
		3/17/15	2.15	13.67	
		5/12/16	2.95	12.87	
MW-15A (shallow)	19.09	6/7/06	5.48	13.61	
		8/22/07	5.80	13.29	
		11/11/08	5.64	13.45	
		3/10/10	4.95	14.14	
		5/25/11	5.15	13.94	
		8/22/12	5.69	13.40	
		11/5/13	5.34	13.75	
		3/17/15	4.86	14.23	
		5/12/16	5.77	13.32	

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-15B (deep)	19.06	6/7/06	5.35	13.71	unable to access, ACE Hardware
		8/22/07	5.70	13.36	
		11/11/08	5.58	13.48	
		3/10/10	NC		
		5/25/11	5.10	13.96	
		8/22/12	5.65	13.41	
		11/5/13	5.21	13.85	
		3/17/15	4.60	14.46	
		5/12/16	5.72	13.34	
MW-17		5/25/11			Could not be located
		11/5/13			Could not be located
		3/17/15	6.14		
		5/12/16	7.68		
MW-18	14.31	6/8/06	7.93	6.38	
		8/23/07	5.05	9.26	
		11/11/08	4.98	9.33	
		3/10/10	4.52	9.79	
		5/25/11	4.70	9.61	
		8/22/12	4.92	9.39	
		11/5/13	5.41	8.90	
		3/17/15	4.35	9.96	
		5/12/16	4.95	9.36	
MW-22A (shallow)	20.09	6/7/06	6.00	14.09	
		8/22/07	6.44	13.65	
		11/11/08	6.38	13.71	
		3/10/10	5.78	14.31	
		5/25/11	5.92	14.17	
		8/22/12	6.45	13.64	
		11/5/13	7.70	12.39	
		3/17/15	5.72	14.37	
		5/12/16	6.52	13.57	
MW-22B (deep)	19.95	6/7/06	5.82	14.13	
		8/22/07	6.30	13.65	
		11/11/08	6.20	13.75	
		3/10/10	5.61	14.34	
		5/25/11	5.74	14.21	
		8/22/12	6.28	13.67	
		11/5/13	5.65	14.30	
		3/17/15	5.00	14.95	
		5/12/16	6.54	13.41	

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

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-23A (shallow)	17.34	6/7/06	4.59	12.75	
		8/22/07	4.80	12.54	
		11/11/08	4.62	12.72	
		3/10/10	4.16	13.18	
		5/25/11	4.38	12.96	
		8/22/12	5.30	12.04	
		11/5/13	5.72	11.62	
		3/17/15	4.21	13.13	
		5/12/16	4.80	12.54	
MW-23B (deep)	17.29	6/7/06	4.51	12.78	
		8/22/07	5.05	12.24	
		11/11/08	4.59	12.70	
		3/10/10	4.06	13.23	
		5/25/11	4.31	12.98	
		8/22/12	4.62	12.67	
		11/5/13	6.51	10.78	
		3/17/15	4.10	13.19	
		5/12/16	4.71	12.58	

Notes:

All measurements in feet from top of casing

Vertical data NGVD

NC - Not collected

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-17	MW-17	MW-17	MW-17
Sample ID	Class GA	DMW-17	DMW-17F	DMW-17	DMW-17
Laboratory ID	Ground	AC83807-021	AC83807-022	AC91318-005	AC91318-006
Sample Date	Water	3/17/15	3/17/15	5/11/16	5/11/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	990	ND
Antimony	3	ND	ND	ND	ND
Arsenic	25	ND	ND	2.1	ND
Barium	1,000	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND
Calcium	NC	37,000	41,000	31,000	31,000
Chromium	50	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND
Iron	300	880	ND	1,900	ND
Lead	25	6.5	ND	7.2	ND
Magnesium	35,000	11,000	12,000	9,800	9,700
Manganese	300	520	ND	490	52.0
Mercury	0.7	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND
Sodium	20,000	7,100	8,400	12,000	11,000
Thallium	0.5	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
E - Estimated due to matrix interference
* - Replicate RPDs were not within QC limits

Upgradient Wells
Source Area Wells
Downgradient Wells
Willets Creek Wells
Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID	Class GA	MW-1	DMW-1	DMW-1	DMW-1	DMW-1	DMW-1	DMW-1	DMW-1	DMW-1	DMW-1
Laboratory ID	Ground	E0773-05A	F1193-01A	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed	AC91318-020	AC91318-021
Sample Date	Water	6/8/06	8/22/07	11/11/08	3/10/10	5/25/11	8/22/12	11/5/13	3/18/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered							Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	4,180	3,160	NA	NA	NA	NA	NA	NA	210	ND
Antimony	3	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND
Arsenic	25	4.3 B	3.8 B	NA	NA	NA	NA	NA	NA	ND	ND
Barium	1,000	80.2 B	73.3 B	NA	NA	NA	NA	NA	NA	ND	ND
Beryllium	3	0.42 B	0.25 B	NA	NA	NA	NA	NA	NA	ND	ND
Cadmium	5	23.9	5.1	NA	NA	NA	NA	NA	NA	ND	ND
Calcium	NC	8,790	7,150	NA	NA	NA	NA	NA	NA	12,000	12,000
Chromium	50	8.0 B	5.0 B	NA	NA	NA	NA	NA	NA	ND	ND
Cobalt	NC	5.1 B	6.9 BE	NA	NA	NA	NA	NA	NA	ND	ND
Copper	200	18.3 B	16.0 B	NA	NA	NA	NA	NA	NA	ND	ND
Iron	300	13,200	12,600	NA	NA	NA	NA	NA	NA	340	ND
Lead	25	3.9 B	9.8 B	NA	NA	NA	NA	NA	NA	ND	ND
Magnesium	35,000	3,010	2,420	NA	NA	NA	NA	NA	NA	ND	ND
Manganese	300	210	158	NA	NA	NA	NA	NA	NA	ND	ND
Mercury	0.7	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND
Nickel	100	8.7 B	8.7 B	NA	NA	NA	NA	NA	NA	ND	ND
Potassium	NC	1,760	1,680	NA	NA	NA	NA	NA	NA	ND	ND
Selenium	10	ND	5.4 B	NA	NA	NA	NA	NA	NA	ND	ND
Silver	50	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND
Sodium	20,000	22,500	23,100	NA	NA	NA	NA	NA	NA	29,000	30,000
Thallium	0.5	1.9 B	5.5 B	NA	NA	NA	NA	NA	NA	ND	ND
Vanadium	NC	7.8 B	8.2 B	NA	NA	NA	NA	NA	NA	ND	ND
Zinc	2,000	244	196	NA	NA	NA	NA	NA	NA	ND	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
E - Estimated due to matrix interference
* - Replicate RPDs were not within QC limits

Upgradient Wells
Source Area Wells
Downgradient Wells
Willetts Creek Wells
Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	MW-2	DMW-2	DMW-2	DMW-2	DMW-2	DMW-2	DMW-2	DMW-2F
Laboratory ID	Ground	E0773-10A	F1193-04A	G2114-01	J0429-10A	K0942-01	K0942-02	L1807-19	L1808-15
Sample Date	Water	6/7/06	8/22/07	11/11/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	7,090	1,580	242	3,880 E	1,500	ND	328	ND
Antimony	3	ND	7.3 B	ND	9.4 B	ND	ND	ND	ND
Arsenic	25	3.9 B	6.3 B	ND	7.7 B	12.4 B	5.0 B	ND	ND
Barium	1,000	96.5 B	212	38.7 B	47.9 B	51.1 B	34.2 B	20.4 B	18.4 B
Beryllium	3	0.4 B	0.71 B	0.27 B	0.51 B	0.33 B	ND	ND	ND
Cadmium	5	4.2 B	8.6	2.7 B	10.4	ND	ND	ND	ND
Calcium	NC	15,500	28,200	14,500	11,100	38,700	34,500	12,500 E	12,300
Chromium	50	8.8 B	3.1 B	ND	6.8 B	2.2 B	ND	0.73 B	ND
Cobalt	NC	18.3 B	27 BE	13.8 B	9.3 B	11.4 B	7.6 B	1.2 B	1.0 B
Copper	200	19.3 B	8.3 B	12.6 B	34.9	7.9 B	ND	ND	ND
Iron	300	14,900	25,200	23,300	12,000 N	88,900	17,600	1,590 E	1,060
Lead	25	14.7	4.2 B	5.2 B	6.9 B	7.5 B	ND	ND	ND
Magnesium	35,000	3,740	4,690	2,700	2,810	3,690	3,510	1,850	1,790
Manganese	300	518	989	2,150	768	882	655	124	115
Mercury	0.7	ND	ND	ND	0.084 B	ND	ND	ND	ND
Nickel	100	13.3 B	9.0 B	4.7 B	13.5 B	6.5 B	2.8 B	1.7 B	1.3 B
Potassium	NC	2,140	2,780	1,880	1,450	2,470	2,410	1,440	1,430
Selenium	10	1.4 B	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	21,500	66,200	18,600	18,200	25,200	24,100	24,400 E	23,500
Thallium	0.5	2.3 B	6.3 B	ND	ND	ND	ND	ND	ND
Vanadium	NC	11.9 B	4.0 B	ND	16.2 B	2.5 B	ND	ND	ND
Zinc	2,000	138	82.8	64.3	109	111	30.5 B	18.4 B	5.2 B

Notes: All values in µg/L
NC - No Criteria
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BOLD/Italics - exceeds criterion
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Upgradient Wells
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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	DMW-2	DMW-2F	DMW-2	DMW-2F	DMW-2	DMW-2
Laboratory ID	Ground	AC75646-005	AC75646-006	AC83807-027	AC83807-028	AC91318-009	AC91318-010
Sample Date	Water	11/6/13	11/6/13	3/18/15	3/18/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	300	ND	7,200	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	3	ND	21.0	ND	ND	2.0
Barium	1,000	ND	ND	65.0	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	15.0	ND	ND	ND
Calcium	NC	15,000	14,000	21,000	20,000	18,000	23,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	2.6	ND	13.0	3.6	5.0	5.8
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	9,200	3,300	98,000	4,200	6,100	7,400
Lead	25	ND	ND	29.0	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	170	150	410	240	200	240
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	25,000	22,000	19,000	20,000	35,000	38,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	210	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample ID	Class GA	MW-3	DMW-3	DMW-3	DMW-3	DMW-3	DMW-3	DMW-3	DMW-3F
Laboratory ID	Ground	E0773-07A	F1193-07A	G2114-04	J0429-11A	K0942-03	K0942-04	L1807-20	L1808-17
Sample Date	Water	6/8/06	8/22/07	11/11/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	5,650	620	314	2,890 E	8,520	ND	ND	ND
Antimony	3	ND	ND	ND	7.2 B	ND	ND	10.7 B	ND
Arsenic	25	2.9 B	ND	ND	3.2 B	7.1 B	6.3 B	ND	ND
Barium	1,000	90.9 B	37.2 B	28.3 B	35.3 B	59.7 B	20.3 B	29.0 B	28.0 B
Beryllium	3	0.26 B	ND	ND	0.25 B	0.7 B	ND	ND	ND
Cadmium	5	77.4	74.4	70.8	98.4	73.5	13.1	16.3	15.1
Calcium	NC	17,800	17,200	11,800	10,600	11,000	9,750	11,100 E	10,700
Chromium	50	9.2 B	1.6 B	ND	6.4 B	11.4 B	ND	ND	0.90 B
Cobalt	NC	4.4 B	1.6 BE	ND	2.2 B	4.7 B	ND	ND	ND
Copper	200	16.1 B	5.4 B	ND	6.8 B	9.7 B	ND	ND	ND
Iron	300	4,430	649	253	3,680 N	7,430	ND	50.5 B	ND
Lead	25	ND	3.8 B	2.7 B	3.9 B	7.5 B	ND	ND	ND
Magnesium	35,000	4,160	3,820	2,650	2,670	2,890	1,970	2,220	2,180
Manganese	300	423	301	262	553	980	ND	ND	ND
Mercury	0.7	ND	ND	ND	0.067 B	0.057 B	ND	ND	ND
Nickel	100	6.8 B	2.1 B	1.6 B	7.4 B	5.0 B	ND	0.92 B	ND
Potassium	NC	2,630	2,050	1,420	1,500	2,170	1,790	2,420	2,400
Selenium	10	ND	8.4 B	ND	10.6 B	ND	ND	ND	ND
Silver	50	ND	3.5 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	27,700	31,000	25,000	20,700	20,400	19,400	23,400 E	23,000
Thallium	0.5	2.5 B	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	8.1 B	1.1 B	ND	4 B	9.6 B	ND	ND	ND
Zinc	2,000	87.0	29.4 B	26.2 B	29.0 B	34.0 B	18.9 B	ND	7.1 B

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-3	MW-3	MW-3	MW-3	MW-3
Sample ID	Class GA	DMW-3	DMW-3F	DMW-3	DMW-3	DMW-3F
Laboratory ID	Ground	AC75646-011	AC75646-012	AC83807-031	AC91318-022	AC91318-023
Sample Date	Water	11/6/13	11/6/13	3/18/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	330	ND	490	220	ND
Antimony	3	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND
Cadmium	5	12.0	13.0	20.0	11.0	9.4
Calcium	NC	9,000	9,700	9,300	9,200	9,000
Chromium	50	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND
Iron	300	ND	ND	510	980	ND
Lead	25	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND
Manganese	300	ND	ND	64	40.0	ND
Mercury	0.7	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND
Sodium	20,000	43,000	45,000	18,000	20,000	20,000
Thallium	0.5	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample ID	Class GA	MW-9	DMW-9	DMW-9	DMW-9	DMW-9	DMW-9	DMW-9	DMW-9F
Laboratory ID	Ground	E0773-09A	F1193-06A	G2114-02	J0429-12A	K0942-05	K0942-06	L1807-21	L1808-19
Sample Date	Water	6/8/06	8/22/07	11/11/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	16,800	3,520	611	2,300 E	2,850	ND	163 B	ND
Antimony	3	ND	ND	ND	ND	ND	ND	9.5 B	ND
Arsenic	25	32.6	16.2 B	ND	11.4 B	11.5 B	4.9 B	ND	ND
Barium	1,000	102 B	44.7 B	30.2 B	39.2 B	71.0 B	49.2 B	17.8 B	17.0 B
Beryllium	3	0.63 B	ND	0.21 B	0.29 B	0.42 B	ND	ND	ND
Cadmium	5	32.8	22.4	15.5	17.5	18.7	9.5	4.9 B	4.4 B
Calcium	NC	16,000	15,100	10,800	21,900	29,000	25,600	13,900 E	13,700
Chromium	50	125	62.2	35.3	62.7	85.5	2.9 B	8.3 B	4.0 B
Cobalt	NC	5.2 B	4.9 BE	1.5 B	2.0 B	2.5 B	ND	ND	ND
Copper	200	62.3	41.4	17.3 B	32.5	41.1	ND	ND	ND
Iron	300	21,600	12,400	3,670	11,300 N	11,600	1,760	556 E	ND
Lead	25	11.6	10.6	5.9 B	8.1 B	9.9 B	ND	ND	ND
Magnesium	35,000	3,170	1,550	2,690	4,210	4,110	3,900	3,300	3,220
Manganese	300	151	117	62.6	124	149	15.3 B	ND	ND
Mercury	0.7	ND	ND	ND	0.088 B	ND	ND	ND	ND
Nickel	100	18.3 B	7.3 B	3.3 B	8.0 B	6.5 B	2.4 B	1.4 B	2.3 B
Potassium	NC	3,270	4,830	1,720	3,950	6,310	5,210	1,420	1,390
Selenium	10	2.7 B	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	25,500	52,100	16,100	29,100	72,800	68,700	26,300 E	25,900
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	33.1 B	13.4 B	5.5 B	10.4 B	12.8 B	ND	ND	ND
Zinc	2,000	170	73.1	55.9	82.8	90.9	36.6 B	12.9 B	11.8 B

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample ID	Class GA	DMW-9	DMW-9F	DMW-9	DMW-9F	DMW-9	DMW-9
Laboratory ID	Ground	AC75646-031	AC75646-032	AC83807-029	AC83807-030	AC91318-012	AC91318-013
Sample Date	Water	11/7/13	11/7/13	3/18/15	3/18/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	430	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	3.4	3.0	ND	ND	3.0	ND
Calcium	NC	12,000	12,000	13,000	14,000	15,000	14,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	ND	ND	550	ND	1,200	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	ND	ND	ND	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	11,000	11,000	18,000	21,000	39,000	40,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B
Sample ID	Class GA	MW-9B	DMW-9B	DMW-9B	DMW-9B	DMW-9B	DMW-9B	DMW-9B	DMW-9BF
Laboratory ID	Ground	E0773-08A	F1193-05A	G2114-03	J0429-14A	K0942-07	K0942-08	L1807-22	L1808-18
Sample Date	Water	6/8/06	8/22/07	11/11/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	213	177 B	ND	49.5 BE	99.1 B	ND	ND	ND
Antimony	3	1.8 B	4.6 B	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	6.2 B	ND	ND
Barium	1,000	45.5 B	25.5 B	27.1 B	17.1 B	14.4 B	12.8 B	22.2 B	21.1 B
Beryllium	3	ND	ND	ND	0.051 B	ND	ND	ND	ND
Cadmium	5	2.9 B	1.2 B	0.23 B	3.6 B	ND	ND	ND	ND
Calcium	NC	10,800	11,900	8,180	6,950	8,580	8,480	9,300 E	8,330
Chromium	50	2.2 B	3.4 B	ND	2.4 B	1.4 B	ND	0.82 B	ND
Cobalt	NC	2.6 B	1.5 BE	ND	ND	ND	ND	ND	ND
Copper	200	28.8 B	14.8 B	ND	ND	ND	ND	ND	ND
Iron	300	561	429	134 B	286 N	528	31.8 B	39.5 B	ND
Lead	25	ND	6.0 B	ND	ND	ND	ND	ND	ND
Magnesium	35,000	1,640	1,630	1,330	1,380	1,490	1,430	1,680	1,480
Manganese	300	211	306	171	69.5	92.4	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	8.6 B	2.9 B	ND	1.9 B	1.8 B	0.88 B	ND	ND
Potassium	NC	2,140	2,050	1,940	1,950	1,910	1,670	1,800	1,790
Selenium	10	ND	ND	ND	12.7 B	ND	ND	ND	ND
Silver	50	ND	2.2 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	8,070	10,100	11,800	7,660	6,730	6,650	21,400 E	19,700
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	0.83 B	ND	ND	ND	ND	ND	ND
Zinc	2,000	83.7	36.0 B	35.3 B	23.3 B	27.1 B	25.4 B	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B	MW-9B
Sample ID	Class GA	DMW-9B	DMW-9BF	DMW-9B	DMW-9BF	DMW-9B	DMW-9B
Laboratory ID	Ground	AC75646-013	AC75646-014	AC83807-023	AC83807-024	AC91318-014	AC91318-017
Sample Date	Water	11/6/13	11/6/13	3/18/15	3/18/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	NC	11,000	10,000	6,400	6,700	14,000	14,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	ND	ND	ND	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	ND	ND	44	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	10,000	9,000	13,000	14,000	14,000	15,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

Notes: All values in µg/L
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ND - Not Detected

BOLD/italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
E - Estimated due to matrix interference
* - Replicate RPDs were not within QC limits

Upgradient Wells
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Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
Sample ID	Class GA	MW-13A	DMW-13A	DMW-13A	DMW-13A	DMW-13A	DMW-13A	DMW-13A	DMW-13AF
Laboratory ID	Ground	E0773-13A	F1193-14A	F1193-14A	J0429-15A	K0942-17	K0942-18	L1807-15	L1808-25
Sample Date	Water	6/8/06	8/22/07	11/12/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc.	conc.	conc.	conc.	conc.	conc.	conc.
Aluminum	NC	15,000	2,560	258	529 E	2,100	ND	204	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	5.7 B	ND	ND	ND	13.1 B	ND	ND	ND
Barium	1,000	176 B	94.0 B	185 B	605	886	20.5 B	77.9 B	31.4 B
Beryllium	3	0.53 B	ND	ND	0.073 B	ND	ND	ND	ND
Cadmium	5	174	94.1	67.7	267	373	10.3	93.5	64.4
Calcium	NC	37,900	23,300	19,900	43,700	27,500	24,900	7,850	7,800
Chromium	50	12.9 B	2.7 B	ND	3.9 B	22.1	ND	2.8 B	1.9 B
Cobalt	NC	55.8	45.4 BE	35.4 B	144	268	1.1 B	33.7 B	15.1 B
Copper	200	34.3	ND	ND	17.9 B	20.8 B	ND	6.7 B	ND
Iron	300	12,700	3,490	300	749 N	2,310	ND	3,690	1,580
Lead	25	5.7 B	2.5 B	ND	5.3 B	ND	ND	ND	ND
Magnesium	35,000	5,580	3,640	2,630	4,570	3,820	3,340	936	960
Manganese	300	9,560	8,040	16,400	33,900	61,600	1,720	6,190	3,430
Mercury	0.7	ND	ND	ND	0.063 B	ND	ND	ND	ND
Nickel	100	9.4 B	2.1 B	ND	2.6 B	3.3 B	ND	1.1 B	2.7 B
Potassium	NC	7,430	6,390	3,680	7,510	6,700 E	5,990 E	2,250 E	2,140
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	3.5 B	ND	ND	12.1 B	ND	ND	ND
Sodium	20,000	94,500	77,500	21,700	247,000	38,400	37,500	47,000	46,900
Thallium	0.5	44	ND	11.7 B	88.2	ND	ND	9.2 B	ND
Vanadium	NC	17.6 B	3.7 B	ND	2.7 B	6.4 B	ND	ND	ND
Zinc	2,000	53.3	16.8 B	20.8 B	27.4 B	36.1 B	18.0 B	9.5 B	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
Sample ID	Class GA	DMW-13A	DMW-13AF	DMW-13A	DMW-13AF	DMW-13A	DMW-13A
Laboratory ID	Ground	AC75646-021	AC75646-022	AC83807-011	AC83807-012	AC91350-001	AC91350-002
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered conc.	Filtered conc.	Unfiltered conc.	Filtered conc.	Unfiltered conc.	Filtered conc.
Aluminum	NC	ND	ND	420	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	57.0	55.0
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	120	120	9.6	9.0	10.0	8.5
Calcium	NC	14,000	13,000	20,000	21,000	37,000	36,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	16.0	17.0	17.0	18.0	5.9	5.4
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	7,300	6,400	8,600	6,200	3,200	1,700
Lead	25	ND	ND	ND	24.0	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	1,700	1,700	1,100	1,200	360	350
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	6,700	6,400
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	31,000	31,000	43,000	47,000	39,000	37,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

Notes: All values in µg/L
NC - No Criteria
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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B
Sample ID	Class GA	MW-13B	DMW-13B	DMW-13B	DMW-13B	DMW-13B	DMW-13B	DMW-13B	DMW-13BF
Laboratory ID	Ground	E0773-14A	F1193-13A	G2114-13	J0429-16A	K0942-19	K0942-20	L1807-27	L1808-23
Sample Date	Water	6/8/06	8/22/07	11/12/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	330	133 B	ND	114 BE	106 B	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	54.3 B	29.0 B	33.4 B	21.5 B	14.4 B	12.6 B	23.1 B	22.4 B
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	15	9.8	2.3 B	4.2 B	2.2 B	ND	1.5 B	1.1 B
Calcium	NC	10,700	9,840	11,700	8,880	10,900	10,900	11,300 E	10,600
Chromium	50	27.8	27.2	22.3	17.8 B	11.7 B	10.7 B	21.2	21.4
Cobalt	NC	3.9 B	1.9 BE	ND	ND	ND	ND	ND	ND
Copper	200	19.3 B	13.8 B	ND	ND	6.5 B	ND	ND	ND
Iron	300	614	404	106 B	286 N	469	ND	ND	ND
Lead	25	ND	7.7 B	3.1 B	ND	ND	ND	ND	ND
Magnesium	35,000	1,710	1,600	1,910	1,350	1,560	1,530	1,630	1,550
Manganese	300	621	426	153	243	148	ND	54.3	19.7 B
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	9.8 B	4.2 B	ND	1.3 B	1.5 B	ND	ND	ND
Potassium	NC	2,410	1,820	2,100	1,570	1,910 E	1,680 E	1,340	1,360
Selenium	10	ND	6.2 B	ND	ND	ND	ND	ND	ND
Silver	50	ND	2.3 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	7,880	6,710	9,280	8,060	6,720	6,880	9,260 E	8,950
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	1.3 B	0.96 B	ND	0.54 B	ND	ND	ND	ND
Zinc	2,000	45.9 B	33.2 B	24.3 B	24.3 B	32.7 B	32.5 B	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B	MW-13B
Sample ID	Class GA	DMW-13B	DMW-13BF	DMW-13B	DMW-13BF	DMW-13B	DMW-13B
Laboratory ID	Ground	AC75646-023	AC75646-024	AC83807-013	AC83807-014	AC91350-004	AC91350-003
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/12/16	5/12/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	1,800	ND	1,000	ND	ND	ND
Antimony	3	2.9	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	98.0	94.0
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	10.0	2.3	4.0	ND	6.9	6.6
Calcium	NC	29,000	12,000	12,000	13,000	30,000	29,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	3.1	ND	3.0	ND	ND	ND
Copper	200	57.0	ND	ND	ND	ND	ND
Iron	300	4,900	ND	2100	ND	ND	ND
Lead	25	13.0	ND	6.3	ND	ND	ND
Magnesium	35,000	9,000	ND	ND	ND	ND	ND
Manganese	300	240	57.0	780	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	9,400	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	22,000	13,000	12,000	13,000	43,000	41,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	350	ND	ND	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A
Sample ID	Class GA	MW-15A	DMW-15A	DMW-15A	DMW-15A	DMW-15A	DMW-15A	DMW-15A	DMW-15AF
Laboratory ID	Ground	E0773-03A	F1193-15A	G2114-08	J0429-17A	K0942-21	K0942-22	L1807-25	L1808-21
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/9/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	773	ND	ND	335 E	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	53.7 B	15.5 B	20.1 B	30.8 B	23.1 B	16.4 B	15.9 B	15.0 B
Beryllium	3	ND	ND	ND	0.074 B	ND	ND	ND	ND
Cadmium	5	28.8	29.1	33.9	62.3	63.0	12.2	16.8	9.7
Calcium	NC	18,900	13,700	12,100	14,800	16,300	16,600	13,500 E	13,400
Chromium	50	3.0 B	0.45 B	ND	4.6 B	1.3 B	ND	ND	1.2 B
Cobalt	NC	3.2 B	1.3 BE	ND	0.9 B	ND	ND	ND	ND
Copper	200	38.0	4.8 B	ND	8.4 B	9.8 B	ND	ND	ND
Iron	300	2,320	158 B	ND	1,000 N	164 B	ND	ND	ND
Lead	25	9.9 B	1.7 B	ND	5.2 B	ND	ND	ND	ND
Magnesium	35,000	3,170	2,240	1,890	2,780	2,410	2,380	2,460	2,440
Manganese	300	370	929	895	2,850	1,510	55.7	238	41.1 B
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	7.1 B	0.85 B	ND	3.6 B	1.7 B	ND	ND	1.1 B
Potassium	NC	2,090	1,960	1,610	2,140	2,290 E	2,290 E	2,110	2,230
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	3.4 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	18,000	13,300	9,040	17,100	19,500	19,800	20,400 E	20,400
Thallium	0.5	1.9 B	ND	ND	7.3 B	ND	ND	ND	ND
Vanadium	NC	2.6 B	ND	ND	0.69 B	ND	ND	ND	ND
Zinc	2,000	155	18.8 B	24.3 B	33.5 B	31.7 B	25.9 B	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A
Sample ID	Class GA	DMW-15A	DMW-15AF	DMW-15A	DMW-15AF	DMW-15A	DMW-15A
Laboratory ID	Ground	AC75646-009	AC75646-010	AC83807-001	AC83807-002	AC91318-001	AC91318-002
Sample Date	Water	11/6/13	11/6/13	3/17/15	3/17/15	5/11/16	5/11/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	810	ND	820	ND	290	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	73.0	8.9	17.0	8.0	11.0	4.8
Calcium	NC	14,000	14,000	12,000	14,000	13,000	12,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	1,200	ND	1,100	ND	360	ND
Lead	25	7.9	ND	6.3	ND	3.2	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	2,100	59.0	150	ND	140	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	21,000	21,000	20,000	23,000	25,000	25,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B
Sample ID	Class GA	MW-15B	DMW-15B	DMW-15B	DMW-15B	DMW-15B	DMW-15B	DMW-15B	DMW-15BF
Laboratory ID	Ground	E0773-04A	F1193-10A	G2114-07	Inaccessible	K0942-23	K0942-24	L1807-24	L1808-20
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	224	58.6 B	ND	NA	ND	ND	ND	ND
Antimony	3	ND	ND	ND	NA	ND	ND	ND	ND
Arsenic	25	1.7 B	ND	ND	NA	5.5 B	4.8 B	ND	4.3 B
Barium	1,000	83.6 B	40.6 B	45.0 B	NA	34.6 B	34.4 B	32.4 B	29.4 B
Beryllium	3	ND	ND	0.19 B	NA	ND	ND	ND	ND
Cadmium	5	3.6 B	0.54 B	0.29 B	NA	ND	ND	ND	ND
Calcium	NC	16,400	13,700	13,700	NA	12,000	11,900	12,200 E	11,500
Chromium	50	2.1 B	0.56 B	ND	NA	ND	ND	ND	ND
Cobalt	NC	5.5 B	2.7 BE	1.9 B	NA	1.4 B	1.2 B	1.5 B	1.4 B
Copper	200	20.4 B	2.5 B	ND	NA	ND	ND	ND	18.1 B
Iron	300	4,780	1,320	875	NA	1,410	1,130	1,510 E	48.4 B
Lead	25	3.3 B	ND	3.6 B	NA	ND	ND	ND	ND
Magnesium	35,000	5,930	5,290	5,240	NA	4,860	4,920	4,700	4,490
Manganese	300	239	228	267	NA	182	182	189	174
Mercury	0.7	ND	ND	ND	NA	ND	ND	ND	ND
Nickel	100	11.5 B	1.4 B	2.2 B	NA	1.9 B	2.0 B	1.5 B	2.7 B
Potassium	NC	2,450	1,500	1,980	NA	1,890 E	1,860 E	1,470	1,510
Selenium	10	ND	ND	ND	NA	ND	ND	ND	ND
Silver	50	ND	2.5 B	1.0 B	NA	ND	ND	ND	ND
Sodium	20,000	46,600	45,200	43,900	NA	40,600	40,600	40,800 E	39,100
Thallium	0.5	3.0 B	ND	ND	NA	ND	ND	ND	ND
Vanadium	NC	0.72 B	ND	ND	NA	ND	ND	ND	ND
Zinc	2,000	129	16.8 B	38.9 B	NA	37.3 B	33.7 B	12.1 B	23.7 B

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NC - No Criteria
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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B	MW-15B
Sample ID	Class GA	DMW-15B	DMW-15BF	DMW-15B	DMW-15BF	DMW-15B	DMW-15B
Laboratory ID	Ground	AC75646-001	AC75646-002	AC83807-003	AC83807-004	AC91318-003	AC91318-004
Sample Date	Water	11/6/13	11/6/13	3/17/15	3/17/15	5/11/16	5/11/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	NC	12,000	12,000	9,900	11,000	7,200	8,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	3.8	4.1
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	3,300	ND	1,500	ND	720	710
Lead	25	ND	ND	11	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	170	140	94	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	40,000	40,000	32,000	36,000	20,000	19,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	61	ND

Notes: All values in µg/L
NC - No Criteria
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ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
E - Estimated due to matrix interference
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Upgradient Wells
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Willets Creek Wells
Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID	Class GA	MW-18	DMW-18	DMW-18	DMW-18	DMW-18	DMW-18	DMW-18	DMW-18F
Laboratory ID	Ground	E0773-06A	F1193-16A	G2114-06	J0429-18A	K0942-25	K0942-26	L1807-18	L1808-28
Sample Date	Water	6/8/06	8/23/07	11/11/08	3/9/10	5/25/11	5/25/11	8/23/12	8/23/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	1,430	829	88.1 B	2,270	3,280	ND	ND	ND
Antimony	3	ND	ND	5.1 B	12.2 B	ND	ND	ND	ND
Arsenic	25	ND	ND U	ND	5.9 B	7.0 B	ND	ND	ND
Barium	1,000	168 B	71.3 B	166 B	283	109 B	13.4 B	19.7 B	17.0 B
Beryllium	3	ND	ND	ND	0.31 B	0.29 B	ND	ND	ND
Cadmium	5	3.0 B	1.2 B	9.8	18.1	1.3 B	ND	ND	ND
Calcium	NC	13,900	9,790	12,600	27,000	19,000	18,400	14,000	14,300
Chromium	50	2.2 B	0.63 B	ND	5 B	3.9 B	ND	0.75 B	ND
Cobalt	NC	7.3 B	5.5 BE	2.0 B	11.6 B	9.2 B	ND	ND	ND
Copper	200	17.7 B	3.5 B	11.1 B	112	12.2 B	ND	ND	ND
Iron	300	1,150	1,320	114 B	4,620	2,890	ND	35.3 B	ND
Lead	25	ND	1.9 B	ND	19.0	ND	ND	ND	ND
Magnesium	35,000	2,340	1,550	2,440	4,130	3,300	3,070	2,360	2,410
Manganese	300	6,270	4,490	2,870	10,100 *	3,450	ND	113	23.4 B
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	17.5 B	13.0 B	29.3 B	48.0 BE	15.7 B	ND	ND	ND
Potassium	NC	1,520	1,180	1,540	4,120 E	2,050 E	1,860 E	2,310 E	2,410
Selenium	10	ND	ND	ND	16.4 B	ND	ND	ND	ND
Silver	50	ND	1.5 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	7,870	6,020	12,100	10,600	16,800	17,300	17,900	18,700
Thallium	0.5	26.5	ND	ND	64.5	ND	ND	ND	ND
Vanadium	NC	2.6 B	1.4 B	ND	5.0 B	3.9 B	ND	ND	ND
Zinc	2,000	235	89.0	265	366	192	22.2 B	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Sample ID	Class GA	DMW-18	DMW-18F	DMW-18	DMW-18F	DMW-18	DMW-18
Laboratory ID	Ground	AC75646-015	AC75646-016	AC83807-019	AC83807-020	AC91318-007	AC91318-008
Sample Date	Water	11/6/13	11/6/13	3/17/15	3/17/15	5/11/16	5/11/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	440	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	NC	22,000	21,000	18,000	19,000	37,000	37,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	ND	ND	520	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	450	ND	720	ND	160	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	26,000	25,000	37,000	39,000	60,000	61,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

Notes: All values in µg/L
NC - No Criteria
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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A
Sample ID	Class GA	MW-22A	DMW-22A	DMW-22A	DMW-22A	DMW-22A	DMW-22A	DMW-22A	DMW-22AF
Laboratory ID	Ground	E0773-11A	F1193-09A	G2114-09	J0429-19A	K0942-11	K0942-12	L1807-17	L1808-27
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/9/10	5/25/11	5/25/11	8/23/12	8/23/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	4,320	2,870	2,620	1,060	159 B	ND	ND	ND
Antimony	3	1.7 B	5.2 B	ND	13.0 B	ND	ND	ND	ND
Arsenic	25	16.0 B	3.8 B	7.2 B	15.4 B	7.5 B	4.5 B	ND	ND
Barium	1,000	167 B	76.9 B	69.6 B	109 B	106 B	111 B	36.1 B	37.8 B
Beryllium	3	0.15 B	ND	0.21 B	0.19 B	ND	ND	ND	ND
Cadmium	5	38.9	22.1	13.5	13.7	6.8	ND	ND	ND
Calcium	NC	52,100	37,500	55,700	104,000	114,000	96,400	27,600	28,200
Chromium	50	18.0 B	12.8 B	13.0 B	8.8 B	2.8 B	0.76 B	2.2 B	1.7 B
Cobalt	NC	2.2 B	5.2 BE	ND	1.4 B	ND	ND	ND	ND
Copper	200	32.3	24.0 B	19.3 B	21.5 B	7.9 B	ND	ND	ND
Iron	300	70,400	22,400	22,000	61,100	16,700	2,260	2,700	2,690
Lead	25	8.6 B	13.1	11.3	12.4	ND	ND	ND	ND
Magnesium	35,000	8,300	5,580	7,860	13,800	15,600	13,100	4,060	4,210
Manganese	300	1,280	1,190	1,030	912 *	683	780	437	443
Mercury	0.7	ND	ND	ND	0.094 B	ND	ND	ND	ND
Nickel	100	6.0 B	3.7 B	2.6 B	4.7 BE	2.4 B	1.4 B	ND	ND
Potassium	NC	4,560	3,530	3,980	3,430 E	4,520 E	5,120 E	2,980 E	3,040
Selenium	10	8.7 B	ND	ND	24.3 B	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	95,200	69,400	39,900	57,800	100,000	134,000	59,700	61,000
Thallium	0.5	ND	2.8 B	ND	ND	ND	ND	ND	ND
Vanadium	NC	17.4 B	9.2 B	7.0 B	6.3 B	3.1 B	ND	ND	ND
Zinc	2,000	1,650	1,170	714	1,360	1,000	546	16.9 B	16.1 B

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A	MW-22A
Sample ID	Class GA	DMW-22A	DMW-22AF	DMW-22A	DMW-22AF	DMW-22A	DMW-22A
Laboratory ID	Ground	AC75646-019	AC75646-020	AC83807-009	AC83807-010	AC91350-009	AC91350-010
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/13/16	5/13/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	NC	33,000	30,000	45,000	51,000	54,000	49,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	2,800	2,100	2,100	640	2,900	2,500
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	7,200	8,200	8,900	8,100
Manganese	300	440	380	220	260	450	420
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	43,000	41,000	28,000	34,000	41,000	39,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	280	290	310	270

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B
Sample ID	Class GA	MW-22B	DMW-22B	DMW-22B	DMW-22B	DMW-22B	DMW-22B	DMW-22B	DMW-22BF
Laboratory ID	Ground	E0773-12A	F1193-08A	G2114-11	J0429-20A	k0942-13	k0942-13	L1807-16	L1808-26
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/9/10	5/25/11	5/25/11	8/23/12	8/23/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	763 B	151 B	ND	56.3 B	ND	ND	ND	ND
Antimony	3	ND	4.7 B	ND	8.7 B	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1,000	76.6 B	48.2 B	41.3 B	57.6 B	43.3 B	35.6 B	39.6 B	40.5 B
Beryllium	3	ND	ND	ND	0.039 B	ND	ND	ND	ND
Cadmium	5	29.0 B	4.4 B	1.2 B	1.7 B	ND	ND	ND	ND
Calcium	NC	12,800	20,400	27,200	21,400	19,500	19,700	22,400	22,500
Chromium	50	7.9 B	1.5 B	ND	1.6 B	0.66 B	ND	ND	ND
Cobalt	NC	17.4 B	3.9 BE	1.5 B	1.0 B	ND	ND	ND	ND
Copper	200	118 B	4.0 B	ND	ND	ND	ND	ND	ND
Iron	300	4,600	1,120	518	358	164 B	ND	110 B	ND
Lead	25	8.6 B	3 B	2.4 B	3.3 B	ND	ND	ND	ND
Magnesium	35,000	2,660 B	3,130	5,090	3,510	3,230	3,300	3,860	3,950
Manganese	300	2,310	2,440	775	940 *	589	342	748	726
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	28.0 B	2.7 B	6.5 B	2.0 BE	0.85 B	ND	ND	ND
Potassium	NC	3,000 B	2,500	1,910	4,220 E	4,740 E	4,260 E	4,470 E	4,270
Selenium	10	ND	ND	ND	19.0 B	ND	ND	ND	ND
Silver	50	ND	4.2 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	8,170 B	17,100	11,300	14,400	12,700	13,600	19,200	19,000
Thallium	0.5	20.1 B	3.5 B	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	0.49 B	ND	ND	ND	ND	ND	ND
Zinc	2,000	194 B	39.4 B	29.8 B	34.6 B	20.1 B	17.6 B	5.7 B	ND

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Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B	MW-22B
Sample ID	Class GA	DMW-22B	DMW-22BF	DMW-22B	DMW-22BF	DMW-22B	DMW-22B
Laboratory ID	Ground	AC75646-029	AC75646-030	AC83807-007	AC83807-008	AC91350-011	AC91350-012
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/13/16	5/13/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	ND	300
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	NC	26,000	27,000	27,000	31,000	30,000	31,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	ND	ND	ND	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	5,100	5,900	5,900	6,200
Manganese	300	610	600	550	590	500	500
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	13,000	13,000	15,000	17,000	16,000	17,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A
Sample ID	Class GA	MW-23A	DMW-23A	DMW-23A	DMW-23A	DMW-23A	DMW-23A	DMW-23A	DMW-23AF
Laboratory ID	Ground	E0773-01A	F1193-12A	G2114-14	J0429-21A	K0942-15	K0942-16	L1807-28	L1808-24
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	941	2,440	3,200	3,790	5,060	ND	161 B	ND
Antimony	3	1.8 B	5.8 B	ND	9.5 B	ND	ND	ND	ND
Arsenic	25	2.0 B	4.1 B	5.8 B	7.9 B	7.4 B	ND	ND	ND
Barium	1,000	87.5 B	51.2 B	40.1 B	47.8 B	47.4 B	34.6 B	28.0 B	27.3 B
Beryllium	3	ND	ND	0.29 B	0.23 B	ND	ND	ND	ND
Cadmium	5	110	702	1,080	704	924	9.5	31.7	3.3 B
Calcium	NC	34,200	40,900	31,000	38,600	29,300	27,800	26,700 E	26,400
Chromium	50	3.6 B	4.9 B	3.6 B	6.4 B	6.4 B	0.97 B	1.2 B	4.0 B
Cobalt	NC	3.2 B	6.1 BE	ND	0.76 B	ND	ND	ND	ND
Copper	200	33.2	35.9	47.6	137	190	ND	6.7 B	ND
Iron	300	10,300	29,700	13,100	11,500	15,200	2,030	1,860 E	602
Lead	25	ND	6.6 B	9.5 B	11.2	5.6 B	ND	ND	ND
Magnesium	35,000	6,660	6,280	9,020	8,010	5,160	5,100	4,950	4,750
Manganese	300	1,100	612	1,390	1,410 *	1,600	1,480	1,110	1,170
Mercury	0.7	0.065 B	ND	ND	0.12 B	0.035 B	ND	ND	ND
Nickel	100	9.3 B	7.1 B	2.2 B	6.3 BE	3.7 B	1.2 B	ND	2.0 B
Potassium	NC	7,070	5,200	6,780	6,930 E	6,270 E	6,420 E	5,770	5,790
Selenium	10	1.3 B	6.1 B	ND	13.5 B	ND	ND	ND	ND
Silver	50	0.92 B	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	60,200	32,400	37,800	64,600	67,900	70,800	74,100 E	73,400
Thallium	0.5	9.3 B	ND	ND	11.3 B	ND	ND	ND	ND
Vanadium	NC	5.5 B	12.6 B	20.5 B	11.4 B	16.4 B	ND	1.1 B	ND
Zinc	2,000	181	26.9 B	42.7 B	48.3 B	70.5	15.6 B	ND	5.9 B

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TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A	MW-23A
Sample ID	Class GA	DMW-23A	DMW-23AF	DMW-23A	DMW-23AF	DMW-23A	DMW-23A
Laboratory ID	Ground	AC75646-027	AC75646-028	AC83807-015	AC83807-016	AC91350-005	AC91350-006
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/13/16	5/13/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	ND	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	57.0	54.0
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	24.0	13.0	10.0	ND	8.9	ND
Calcium	NC	20,000	20,000	41,000	40,000	69,000	66,000
Chromium	50	ND	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	900	650	8,000	6,400	11,000	10,000
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000	ND	ND	8,600	8,400	15,000	14,000
Manganese	300	980	1,000	780	820	930	920
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	6,400	6,800	8,900	8,000
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	27,000	29,000	91,000	95,000	130,000	130,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	ND	ND	ND	ND	ND	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
E - Estimated due to matrix interference
* - Replicate RPDs were not within QC limits

Upgradient Wells
Source Area Wells
Downgradient Wells
Willets Creek Wells
Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B
Sample ID	Class GA	MW-23B	DMW-23B	DMW-23B	DMW-23B	DMW-23B	DMW-23B	DMW-23B	DMW-23BF
Laboratory ID	Ground	E0773-02A	F1193-11A	G2114-15	J0429-22A	K0942-27	K0942-28	L1807-26	L1808-22
Sample Date	Water	6/7/06	8/22/07	11/12/08	3/10/10	5/25/11	5/25/11	8/22/12	8/22/12
Filtered/Unfiltered	Criteria	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	2,450	632	406	2,820	1,810	ND	103 B	ND
Antimony	3	3.2 B	ND	ND	6.2 B	ND	ND	ND	ND
Arsenic	25	4.1 B	ND	ND	6.7 B	ND	ND	ND	ND
Barium	1,000	215	86.4 B	64.6 B	77.4 B	64.8 B	150 B	29.0 B	26.8 B
Beryllium	3	0.21 B	ND	0.13 B	0.3 B	ND	ND	ND	ND
Cadmium	5	320	60.0	42.2	43.8	40.1	5.8	69.6	33.1
Calcium	NC	21,500	25,100	15,700	24,400	24,800	21,700	18,100 E	17,700
Chromium	50	74.9	13.9 B	4.3 B	61.6	12.6 B	8.5 B	10.7 B	7.8 B
Cobalt	NC	4.8 B	2.4 BE	ND	3.5 B	1.7 B	0.91 B	ND	ND
Copper	200	94.6	19.8 B	24.6 B	54.8	25.6 B	13.9 B	4.1 B	ND
Iron	300	8,220	2,140	1,270	7,870	5,200	36,100	279 E	117 B
Lead	25	35.7	10.3	17.7	43.9	22.6	ND	ND	ND
Magnesium	35,000	1,890	1,290	1,590	2,730	4,150	2,460	2,950	2,910
Manganese	300	548	508	52.1	398 *	126	169	138	135
Mercury	0.7	0.11 B	ND	ND	0.11 B	ND	ND	ND	ND
Nickel	100	68.8	16.7 B	20.5 B	23.2 BE	14.8 B	10 B	2.4 B	1.3 B
Potassium	NC	2,400	1,970	1,660	1,650 E	2,450 E	2,110 E	1,760	1,820
Selenium	10	ND	8.6 B	ND	19.3 B	ND	ND	ND	ND
Silver	50	ND	5.0 B	0.81 B	ND	ND	ND	ND	ND
Sodium	20,000	2,390	3,870	2,200	84,400	18,900	18,500	15,000 E	14,700
Thallium	0.5	3.1 B	ND	ND	6.1 B	ND	ND	ND	ND
Vanadium	NC	17.7 B	9.0 B	5.9 B	12.1 B	12.9 B	ND	ND	ND
Zinc	2,000	417	145	198	376	410	47 B	17.7 B	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
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Upgradient Wells
Source Area Wells
Downgradient Wells
Willetts Creek Wells
Groundwater Contaminants of Concern

TABLE 3
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN GROUNDWATER

Sample Location	NYSDEC	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B	MW-23B
Sample ID	Class GA	DMW-23B	DMW-23BF	DMW-23B	DMW-23BF	DMW-23B	DMW-23B
Laboratory ID	Ground	AC75646-025	AC75646-026	AC83807-017	AC83807-018	AC91350-007	AC91350-008
Sample Date	Water	11/7/13	11/7/13	3/17/15	3/17/15	5/13/16	5/13/16
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	1,100	ND	730	ND	220	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND
Cadmium	5	45.0	35.0	27.0	31.0	42.0	37.0
Calcium	NC	11,000	12,000	8,900	9,900	14,000	13,000
Chromium	50	59.0	ND	ND	ND	ND	ND
Cobalt	NC	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300	2,400	ND	1,600	ND	420	ND
Lead	25	8.3	ND	5.6	ND	ND	ND
Magnesium	35,000	ND	ND	ND	ND	ND	ND
Manganese	300	52.0	ND	ND	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	NC	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	11,000	11,000	25,000	27,000	16,000	15,000
Thallium	0.5	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	ND	ND	ND	ND
Zinc	2,000	95.0	ND	61.0	ND	ND	ND

Notes: All values in µg/L
NC - No Criteria
NA - Not analyzed
ND - Not Detected

BOLD/Italics - exceeds criterion
B - Estimated value (greater than MDL but less than RL)
N - Matrix spike recovery falls outside of the control limit
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Upgradient Wells
Source Area Wells
Downgradient Wells
Willets Creek Wells
Groundwater Contaminants of Concern

TABLE 4
DZUS FASTENERS SITE (1-52-033)
MAY 2016 SAMPLING EVENT

TOTAL VERSUS DISSOLVED METALS CONCENTRATIONS IN GROUNDWATER

Sample Location	NYSDEC	MW-17	MW-17	MW-17	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2
Sample ID	Class GA	DMW-17	DMW-17F		DMW-1	DMW-1F		DMW-2	DMW-2F	
Laboratory ID	Ground	AC91318-005	AC91318-006		AC91318-020	AC91318-021		AC91318-009	AC91318-010	
Sample Date	Water	5/11/16	5/11/16		5/12/16	5/12/16		5/12/16	5/12/16	
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent
Metal		conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved
Aluminum	NC	990	ND	NC	210	ND	NC	ND	ND	NC
Antimony	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	25	2.1	ND	NC	ND	ND	NC	ND	2.0	NC
Barium	1,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Beryllium	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Calcium	NC	31,000	31,000	100.0%	12,000	12,000	100.0%	18,000	23,000	127.8%
Chromium	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cobalt	NC	ND	ND	NC	ND	ND	NC	5.0	5.8	116.0%
Copper	200	ND	ND	NC	ND	ND	NC	ND	ND	NC
Iron	300	1,900	ND	NC	340	ND	NC	6,100	7,400	121.3%
Lead	25	7.2	ND	NC	ND	ND	NC	ND	ND	NC
Magnesium	35,000	9,800	9,700	99.0%	ND	ND	NC	ND	ND	NC
Manganese	300	490	52	10.6%	ND	ND	NC	200	240	120.0%
Mercury	0.7	ND	ND	NC	ND	ND	NC	ND	ND	NC
Nickel	100	ND	ND	NC	ND	ND	NC	ND	ND	NC
Potassium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Selenium	10	ND	ND	NC	ND	ND	NC	ND	ND	NC
Silver	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Sodium	20,000	12,000	11,000	91.7%	29,000	30,000	103.4%	35,000	38,000	108.6%
Thallium	0.5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Vanadium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	2,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Turbidity	50 NTU	75.1			4.7			30.0		

Notes: ND - Not Detected
NC - both filtered and unfiltered result was "not detected"
BOLD/Italics - exceeds criterion
Groundwater Contaminants of Concern

Upgradient Wells
Source Area Wells
Downgradient Wells
Willetts Creek Wells

TABLE 4
DZUS FASTENERS SITE (1-52-033)
MAY 2016 SAMPLING EVENT

TOTAL VERSUS DISSOLVED METALS CONCENTRATIONS IN GROUNDWATER

Sample Location	NYSDEC	MW-3	MW-3	MW-3	MW-9	MW-9	MW-9	MW-9B	MW-9B	MW-9B
Sample ID	Class GA	DMW-3	DMW-3F		DMW-9	DMW-9F		DMW-9B	DMW-9BF	
Laboratory ID	Ground	AC91318-022	AC91318-023		AC91318-012	AC91318-013		AC91318-014	AC91318-017	
Sample Date	Water	5/12/16	5/12/16		5/12/16	5/12/16		5/12/16	5/12/16	
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent
Metal		conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved
Aluminum	NC	220	ND	NC	430	ND	NC	ND	ND	NC
Antimony	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Barium	1,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Beryllium	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	5	11.0	9.4	85.5%	3	ND	NC	ND	ND	NC
Calcium	NC	9,200	9,000	97.8%	15,000	14,000	93.3%	14,000	14,000	100.0%
Chromium	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cobalt	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Copper	200	ND	ND	NC	ND	ND	NC	ND	ND	NC
Iron	300	980	ND	NC	1,200	ND	NC	ND	ND	NC
Lead	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Magnesium	35,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Manganese	300	40	ND	NC	ND	ND	NC	ND	ND	NC
Mercury	0.7	ND	ND	NC	ND	ND	NC	ND	ND	NC
Nickel	100	ND	ND	NC	ND	ND	NC	ND	ND	NC
Potassium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Selenium	10	ND	ND	NC	ND	ND	NC	ND	ND	NC
Silver	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Sodium	20,000	20,000	20,000	100.0%	39,000	40,000	102.6%	14,000	15,000	107.1%
Thallium	0.5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Vanadium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	2,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Turbidity	50 NTU	9.4			29.9			7.9		

Notes:

	Upgradient Wells
	Source Area Wells
	Downgradient Wells
	Willetts Creek Wells

ND - Not Detected

NC - both filtered and unfiltered result was "not detected"

BOLD/Italics - exceeds criterion

Groundwater Contaminants of Concern

TABLE 4
DZUS FASTENERS SITE (1-52-033)
MAY 2016 SAMPLING EVENT

TOTAL VERSUS DISSOLVED METALS CONCENTRATIONS IN GROUNDWATER

Sample Location	NYSDEC	MW-13A	MW-13A	MW-13A	MW-13B	MW-13B	MW-13B	MW-15A	MW-15A	MW-15A
Sample ID	Class GA	DMW-13A	DMW-13AF		DMW-13B	DMW-13BF		DMW-15A	DMW-15AF	
Laboratory ID	Ground	AC91350-001	AC91350-002		AC91350-004	AC91350-003		AC91318-001	AC91318-002	
Sample Date	Water	5/12/16	5/12/16		5/12/16	5/12/16		5/11/16	5/11/16	
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent
Metal		conc.	conc.	Dissolved	conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved
Aluminum	NC	ND	ND	NC	ND	ND	NC	290	ND	NC
Antimony	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Barium	1,000	57	55	96.5%	98	94	95.9%	ND	ND	NC
Beryllium	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	5	10	8.5	85.0%	6.9	6.6	95.7%	11.0	4.8	43.6%
Calcium	NC	37,000	36,000	97.3%	30,000	29,000	96.7%	13,000	12,000	92.3%
Chromium	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cobalt	NC	5.9	5.4	91.5%	ND	ND	NC	ND	ND	NC
Copper	200	ND	ND	NC	ND	ND	NC	ND	ND	NC
Iron	300	3,200	1,700	53.1%	ND	ND	NC	360	ND	NC
Lead	25	ND	ND	NC	ND	ND	NC	3.2	ND	NC
Magnesium	35,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Manganese	300	360	350	97.2%	ND	ND	NC	140	ND	NC
Mercury	0.7	ND	ND	NC	ND	ND	NC	ND	ND	NC
Nickel	100	ND	ND	NC	ND	ND	NC	ND	ND	NC
Potassium	NC	6,700	6,400	95.5%	ND	ND	NC	ND	ND	NC
Selenium	10	ND	ND	NC	ND	ND	NC	ND	ND	NC
Silver	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Sodium	20,000	39,000	37,000	94.9%	43,000	41,000	95.3%	25,000	25,000	100.0%
Thallium	0.5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Vanadium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	2,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Turbidity	50 NTU	276			4.3			34.9		

Notes:

	Upgradient Wells
	Source Area Wells
	Downgradient Wells
	Willetts Creek Wells

ND - Not Detected

NC - both filtered and unfiltered result was "not detected"

BOLD/Italics - exceeds criterion

Groundwater Contaminants of Concern

TABLE 4
DZUS FASTENERS SITE (1-52-033)
MAY 2016 SAMPLING EVENT

TOTAL VERSUS DISSOLVED METALS CONCENTRATIONS IN GROUNDWATER

Sample Location	NYSDEC	MW-15B	MW-15B	MW-15B	MW-18	MW-18	MW-18	MW-22A	MW-22A	MW-22A
Sample ID	Class GA	DMW-15B	DMW-15BF		DMW-18	DMW-18F		DMW-22A	DMW-22AF	
Laboratory ID	Ground	AC91318-003	AC91318-004		AC91318-007	AC91318-008		AC91350-009	AC91350-010	
Sample Date	Water	5/11/16	5/11/16		5/11/16	5/11/16		5/13/16	5/13/16	
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent
Metal		conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved
Aluminum	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Antimony	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Barium	1,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Beryllium	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Calcium	NC	7,200	8,000	111.1%	37,000	37,000	100.0%	54,000	49,000	90.7%
Chromium	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cobalt	NC	3.8	4.1	107.9%	ND	ND	NC	ND	ND	NC
Copper	200	ND	ND	NC	ND	ND	NC	ND	ND	NC
Iron	300	720	710	98.6%	ND	ND	NC	2,900	2,500	86.2%
Lead	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Magnesium	35,000	ND	ND	NC	ND	ND	NC	8,900	8,100	91.0%
Manganese	300	ND	ND	NC	160	ND	NC	450	420	93.3%
Mercury	0.7	ND	ND	NC	ND	ND	NC	ND	ND	NC
Nickel	100	ND	ND	NC	ND	ND	NC	ND	ND	NC
Potassium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Selenium	10	ND	ND	NC	ND	ND	NC	ND	ND	NC
Silver	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Sodium	20,000	20,000	19,000	95.0%	60,000	61,000	101.7%	41,000	39,000	95.1%
Thallium	0.5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Vanadium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	2,000	61	ND	NC	ND	ND	NC	310	270	87.1%
Turbidity	50 NTU	5.0			32.8			10.9		

Notes:

	Upgradient Wells
	Source Area Wells
	Downgradient Wells
	Willetts Creek Wells

ND - Not Detected

NC - both filtered and unfiltered result was "not detected"

BOLD/Italics - exceeds criterion

Groundwater Contaminants of Concern

TABLE 4
DZUS FASTENERS SITE (1-52-033)
MAY 2016 SAMPLING EVENT

TOTAL VERSUS DISSOLVED METALS CONCENTRATIONS IN GROUNDWATER

Sample Location	NYSDEC	MW-22B	MW-22B	MW-22B	MW-23A	MW-23A	MW-23A	MW-23B	MW-23B	MW-23B
Sample ID	Class GA	DMW-22B	DMW-22BF		DMW-23A	DMW-23AF		DMW-23B	DMW-23BF	
Laboratory ID	Ground	AC91350-011	AC91350-012		AC91350-005	AC91350-006		AC91350-007	AC91350-008	
Sample Date	Water	5/13/16	5/13/16		5/13/16	5/13/16		5/13/16	5/13/16	
Filtered/Unfiltered	Criteria	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent	Unfiltered	Filtered	Percent
Metal		conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved	conc. Q	conc. Q	Dissolved
Aluminum	NC	ND	300	NC	ND	ND	NC	220	ND	NC
Antimony	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Barium	1,000	ND	ND	NC	57	54	94.7%	ND	ND	NC
Beryllium	3	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	5	ND	ND	NC	8.9	ND	NC	42.0	37.0	88.1%
Calcium	NC	30,000	31,000	103.3%	69,000	66,000	95.7%	14,000	13,000	92.9%
Chromium	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cobalt	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Copper	200	ND	ND	NC	ND	ND	NC	ND	ND	NC
Iron	300	ND	ND	NC	11,000	10,000	90.9%	420	ND	NC
Lead	25	ND	ND	NC	ND	ND	NC	ND	ND	NC
Magnesium	35,000	5,900	6,200	105.1%	15,000	14,000	93.3%	ND	ND	NC
Manganese	300	500	500	100.0%	930	920	98.9%	ND	ND	NC
Mercury	0.7	ND	ND	NC	ND	ND	NC	ND	ND	NC
Nickel	100	ND	ND	NC	ND	ND	NC	ND	ND	NC
Potassium	NC	ND	ND	NC	8,900	8,000	89.9%	ND	ND	NC
Selenium	10	ND	ND	NC	ND	ND	NC	ND	ND	NC
Silver	50	ND	ND	NC	ND	ND	NC	ND	ND	NC
Sodium	20,000	16,000	17,000	106.3%	130,000	130,000	100.0%	16,000	15,000	93.8%
Thallium	0.5	ND	ND	NC	ND	ND	NC	ND	ND	NC
Vanadium	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	2,000	ND	ND	NC	ND	ND	NC	ND	ND	NC
Turbidity	50 NTU	2.0			8.2			9.0		

Notes:

	Upgradient Wells
	Source Area Wells
	Downgradient Wells
	Willetts Creek Wells

ND - Not Detected
NC - both filtered and unfiltered result was "not detected"
BOLD/Italics - exceeds criterion
Groundwater Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Lake Capri SW-1 E0868-01A 6/21/06 conc. Q	Lake Capri SW-1 F1193-20A 8/23/07 conc. Q	Lake Capri SW-1 G2136-11 11/14/08 conc. Q	Lake Capri SW-1 J0376-01A 3/4/10 conc. Q	Lake Capri SW-1 K0911-08 5/22/11 conc. Q	Lake Capri SW-1 L1949-01 09/17/12 conc. Q	Lake Capri SW-1 AC75648-158 11/8/13 conc. Q	Lake Capri SW-1 AC84282-012 4/11/15 conc. Q	Lake Capri SW-1 AC91487-001 5/20/16 conc. Q
Aluminum	NC	31.9 B	40.1 B	ND	29.6 B	ND	ND	ND	ND	ND
Antimony	3	ND	ND	6.0 B	ND	ND	ND	ND	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND	0.56 JB	ND	ND
Barium	1,000	13.2 B	23.1 B	31.8 B	22.4 B	13.6 B	20.8 B	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND U	ND	ND	ND	ND
Cadmium	5	1.1 B	2.3 B	1.5 B	2.6 B	1.6 B	ND	1.5 J	3.4	ND
Calcium	NC	15,100	14,100	14,300	15,300	13,900	14,900	16,000	15,000	15,000
Chromium	50	0.6 B	0.95 B	ND	0.52 B	1.3 B	ND	ND	ND	ND
Cobalt	NC	0.94 B	1.4 BE	ND	0.76 B	0.77 B	ND	0.80 J	ND	ND
Copper	200	8.9 B	3.1 B	ND	ND	ND	ND	ND	ND	ND
Iron	300	691	738	598	387	416	172 B	1,100	370	ND
Lead	50	ND	2.1 B	ND	ND	ND	ND	3.2	ND	ND
Magnesium	35,000	3,500	2,860	3,570	3,420	2,960	3,420	ND	ND	ND
Manganese	300	1,050	862	1,610	996	1,000	552	1,700	760	540
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	1.3 B	0.6 B	ND	1.6 B	ND	ND	ND	ND	ND
Potassium	NC	2,000	1,930	2,250	2,070	2,040	2,300	ND	ND	ND
Selenium	10	ND	6.0 B	ND	ND	ND	ND	ND	ND	ND
Silver	50	1.8 B	2.8 B	0.98 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	18,500	15,800	19,000	22,500	18,700	24,600	25,000	24,000	23,000
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	0.78 B	0.79 B	ND	2.6 B	ND	ND	ND	ND	ND
Zinc	2,000	22.4 B	22.8 B	22.3 B	38 B	22.3 B	10.1 B	ND	ND	ND

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Lake Capri SW-2 E0868-03A 6/21/06 conc. Q	Lake Capri SW-2 F1194-02A 8/23/07 conc. Q	Lake Capri SW-2 G2136-09 11/14/08 conc. Q	Lake Capri SW-2 J0376-02A 3/4/10 conc. Q	Lake Capri SW-2 K0911-09 5/22/11 conc. Q	Lake Capri SW-2 L1949-02 09/17/12 conc. Q	Lake Capri SW-2 AC75648-159 11/8/13 conc. Q	Lake Capri SW-2 AC84282-013 4/11/15 conc. Q	Lake Capri SW-2 AC91487-002 5/20/16 conc. Q
Aluminum	NC	16.8 B	98.4 B	ND	33.2 B	ND	ND	ND	ND	300
Antimony	3	ND	ND	ND	5.7 B	ND	ND	0.58 J	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND	1.1 JB	ND	ND
Barium	1,000	12.2 B	24.3 B	32.4 B	24.2 B	12.9 B	20.2 B	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND
Cadmium	5	1.0 B	2.1 B	2.0 B	2.8 B	1.7 B	ND	0.82 J	2.8	2.7
Calcium	NC	14,900	13,300	14,300	16,100	13,900	14,700	15,000	15,000	14,000
Chromium	50	0.52 B	1.2 B	ND	0.86 B	0.72 B	ND	ND	ND	ND
Cobalt	NC	0.92 B	1 B	ND	1 B	ND	ND	0.97 J	ND	ND
Copper	200	ND	4.4 B	ND	6.2 B	ND	ND	ND	ND	ND
Iron	300	649	819	675	478	508	176 B	680	510	1,100
Lead	50	ND	3.1 B	2.4 B	ND	ND	ND	1.5 J	ND	9.1
Magnesium	35,000	3,490	2,940	3,530	3,700	2,940	3,360	ND	ND	ND
Manganese	300	1,010	819 E	1,560	968	1,080	564	1,300	840	410
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	1.1 B	0.81 B	ND	2.4 B	ND	ND	ND	ND	ND
Potassium	NC	1,990	1,990	2,320	2,080	1,990	2,330	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	1.6 B	3.1 B	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	18,100	16,200 E	19,500	22,000	18,600	23,800	21,000	24,000	21,000
Thallium	0.5	ND	ND	ND	7.2 B	ND	ND	0.74 J	ND	ND
Vanadium	NC	ND	0.88 B	1.1 B	3.3 B	ND	ND	ND	ND	ND
Zinc	2,000	15.6 B	27.4 B	21 B	34.5 B	20.3 B	5.3 B	ND	ND	ND

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Lake Capri SW-3 E0868-05A 6/21/06 conc. Q	Lake Capri SW-3 F1194-04A 8/23/07 conc. Q	Lake Capri SW-3 G2136-13 11/14/08 conc. Q	Lake Capri SW-3 J0376-03A 3/4/10 conc. Q	Lake Capri SW-3 K0911-10 5/22/11 conc. Q	Lake Capri SW-3 L1949-03 09/17/12 conc. Q	Lake Capri SW-3 AC75648-165 11/8/13 conc. Q	Lake Capri SW-3 AC84282-014 4/11/15 conc. Q	Lake Capri SW-3 AC91487-003 5/20/16 conc. Q
Aluminum	NC	69.5 B	37 U	ND	27 B	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	7.2 B	ND	ND	ND	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND	0.62 JB	ND	ND
Barium	1,000	7.9 B	12.6 B	38.6 B	19.6 B	10.1 B	17.2 B	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	1.9 B	0.32 B	0.97 B	2.8 B	1.4 B	ND	1.7 JB	ND	ND
Calcium	NC	15,200	13,100	14,000	15,000	13,900	14,500	16,000	15,000	14,000
Chromium	50	0.58 B	0.7 B	ND	0.59 B	0.67 B	ND	ND	ND	ND
Cobalt	NC	0.72 B	1.0 B	ND	ND	ND	ND	2.0	ND	ND
Copper	200	ND	3.9 B	ND	ND	ND	ND	ND	ND	ND
Iron	300	788	280	772	332	311	144 B	590	ND	ND
Lead	50	0.92 B	ND	ND	ND	ND	ND	3.5	ND	ND
Magnesium	35,000	3,540	2,990	3,440	3,380	3,030	3,310	ND	ND	ND
Manganese	300	882	73.9 E	1,790	911	990	355	940	640	130
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	0.96 B	ND	ND	1.3 B	ND	ND	ND	ND	ND
Potassium	NC	2,000	2,020	2,290	2,000	2,000	2,210	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	1.3 B	3.4 B	0.64 B	ND	ND	ND	ND	ND	ND
Sodium	20,000	18,300	16,800 E	17,700	23,300	18,800	23,500	23,000	23,000	22,000
Thallium	0.5	ND	ND	ND	5.9 B	ND	ND	ND	ND	ND
Vanadium	NC	0.7 B	0.42 B	ND	2.8 B	ND	ND	ND	ND	ND
Zinc	2,000	21.5 B	14 B	16.4 B	33.4 B	18.9 B	ND	ND	ND	ND

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Lake Capri SW-4 E0868-07A 6/21/06 conc. Q	Lake Capri SW-4 F1194-06A 8/23/07 conc. Q	Lake Capri SW-4 G2136-15 11/14/08 conc. Q	Lake Capri SW-4 J0376-04A 3/4/10 conc. Q	Lake Capri SW-4 K0911-11 5/22/11 conc. Q	Lake Capri SW-4 L1949-04 09/17/12 conc. Q	Lake Capri SW-4 AC75648-164 11/8/13 conc. Q	Lake Capri SW-4 AC84282-015 4/11/15 conc. Q	Lake Capri SW-4 AC91487-004 5/20/16 conc. Q
Aluminum	NC	ND	ND	ND	27.4 B	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND	0.50 JB	ND	ND
Barium	1,000	5.7 B	14 B	31.9 B	20.2 B	9.8 B	19.6 B	ND	ND	ND
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	0.89 B	0.77 B	0.63 B	2.6 B	1.4 B	ND	0.93 J	ND	ND
Calcium	NC	14,600	12,900	14,000	15,300	13,700	13,900	15,000	13,000	16,000
Chromium	50	ND	0.88 B	ND	0.51 B	0.75 B	ND	ND	ND	ND
Cobalt	NC	0.37 B	1.2 B	ND	ND	ND	ND	0.44 J	3.1	ND
Copper	200	11.7 B	4.9 B	ND	ND	ND	ND	ND	ND	ND
Iron	300	610	609	741	344	322	152 B	450	390	ND
Lead	50	ND	2.2 B	ND	ND	ND	ND	2.4 J	ND	ND
Magnesium	35,000	3,510	2,950	3,490	3,420	2,980	3,190	ND	ND	ND
Manganese	300	786	135 E	1,630	943	918	463	910	550	150
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	0.6 B	ND	ND	0.88 B	ND	ND	ND	ND	ND
Potassium	NC	1,950	2,040	2,310	1,980	1,960	2,150	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	2.8 B	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	18,100	16,600 E	17,800	22,900	18,700	23,900	22,000	17,000	23,000
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	2.0	ND
Vanadium	NC	ND	ND	ND	2 B	ND	ND	ND	ND	ND
Zinc	2,000	20.2 B	18 B	9.7 B	31.9 B	18.9 B	5.3 B	ND	ND	ND

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Willetts Creek SW-5 E0868-09A 6/21/06	Willetts Creek SW-5 F1193-18A 8/23/07	Willetts Creek SW-5 G2114-20 11/12/08	Willetts Creek SW-5 J0376-05A 3/4/10	Willetts Creek SW-5 K0911-12 5/22/11	Willetts Creek SW-5 L1949-05 09/18/12	Willetts Creek SW-5 AC75648-163 11/8/13	Willetts Creek SW-5 AC84282-003 4/11/15	Willetts Creek SW-5 AC91487-005 5/20/16
		conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	15.3 B	ND	ND	79.3 B	305	ND	1,200	ND	1,700
Antimony	3	1.5 B	4.4 B	ND	ND	ND	ND	0.54 J	ND	ND
Arsenic	50	ND	ND	ND	5.2 B	ND	ND	3.7 B	ND	5.3
Barium	1,000	36.9 B	36.4 B	26.2 B	24.6 B	40.7 B	31.4 B	71.0	ND	82.0
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	5.7	5.6	3.0 B	5.1	8.8	4.1 B	15.0	6.9	27.0
Calcium	NC	14,400	16,100	12,500	17,800	19,200	15,200	12,000	15,000	16,000
Chromium	50	ND	0.39 B	ND	0.99 B	2.6 B	ND	ND	ND	ND
Cobalt	NC	0.82 B	1.9 BE	ND	ND	1.8 B	ND	5.4	ND	5.2
Copper	200	ND	1.7 B	ND	5.6 B	11.3 B	3.8 B	ND	ND	ND
Iron	300	632	599	1,060	959	4,080	690	14,000	460	24,000
Lead	50	ND	ND	ND	ND	10.2	ND	38.0	ND	53.0
Magnesium	35,000	3,550	3,420	3,100	3,960	4,020	3,510	ND	ND	ND
Manganese	300	1,420	1,110	956	450	923	519	3,000	280	3,100
Mercury	0.7	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND
Nickel	100	0.98 B	0.85 B	ND	1.1 B	1.4 B	ND	ND	ND	ND
Potassium	NC	2,080	2,040	1,780	2,070	2,340	2,240	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	3.1 B	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	21,100	21,800	18,100	20,300	26,900	28,100	22,000	24,000	24,000
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NC	ND	ND	0.99 B	12.1 B	6.9 B	ND	ND	ND	ND
Zinc	2,000	22 B	21.2 B	10.4 B	38.5 B	98.7	15.9 B	78.0	ND	100

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 5
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SURFACE WATER SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Class A Surface Water Criteria	Willetts Creek SW-6 E0868-11A 6/21/06 conc. Q	Willetts Creek SW-6 F1194-08A 8/23/07 conc. Q	Willetts Creek SW-6 G2114-16 11/12/08 conc. Q	Willetts Creek SW-6 J0376-06 3/4/10 conc. Q	Willetts Creek SW-6 K0911-13 5/22/11 conc. Q	Willetts Creek SW-6 L1949-06 09/17/12 conc. Q	Willetts Creek SW-6 11/8/13 conc. Q	Willetts Creek SW-6 AC84282-004 4/11/15 conc. Q	Willetts Creek SW-6 AC91487-006 5/20/16 conc. Q	Lake Capri Cove SC-4 AC84282-005 4/11/15 conc. Q
Aluminum	NC	40.5 B	ND	190 B	63.9 B	103 B	84.4 B	creekbed was dry at the time of sampling	ND	420	ND
Antimony	3	ND	8.0 B	ND	ND	ND	ND		ND	ND	ND
Arsenic	50	ND	ND	ND	ND	ND	ND		ND	4.7	ND
Barium	1,000	35.5 B	40.6 B	37.7 B	22.8 B	27.8 B	23.6 B		ND	59	ND
Beryllium	3	ND	ND	ND	ND	ND	ND		ND	ND	ND
Cadmium	5	0.55 B	2.8 B	75.4	ND	ND	ND		ND	ND	ND
Calcium	NC	26,700	27,200	20,100	19,200	25,100	21,400		21,000	30,000	15,000
Chromium	50	0.99 B	0.88 B	7.2 B	1.5 B	0.73 B	1.7 B		ND	ND	ND
Cobalt	NC	3.1 B	2.8 B	ND	ND	ND	ND		ND	ND	ND
Copper	200	ND	2.8 B	ND	ND	ND	ND		ND	ND	ND
Iron	300	5,400	2,170	4,010	639	2,280	6,840		2,000	38,000	ND
Lead	50	ND	2.5 B	9.8 B	ND	ND	ND		ND	4.4	ND
Magnesium	35,000	5,130	5,290	4,080	4,320	4,960	4,860		ND	5,000	ND
Manganese	300	2,610	1,510 E	1,040	406	869	1,160		550	3,800	640
Mercury	0.7	ND	ND	ND	ND	ND	ND		ND	ND	ND
Nickel	100	1.4 B	1.5 B	ND	1.8 B	ND	0.91 B		ND	ND	ND
Potassium	NC	2,230	2,480	2,830	2,250	2,810	2,460		ND	ND	ND
Selenium	10	ND	ND	ND	10.5 B	ND	ND		ND	ND	ND
Silver	50	ND	5.9 B	ND	ND	ND	ND		ND	ND	ND
Sodium	20,000	29,200	33,600 E	26,000	20,500	33,800	32,100		28,000	33,000	23,000
Thallium	0.5	ND	ND	ND	ND	ND	ND		ND	ND	ND
Vanadium	NC	1.1 B	0.63 B	1.6 B	1.6 B	ND	ND		ND	ND	ND
Zinc	2,000	35.6 B	32.2 B	48.2 B	43.3 B	35.8 B	21.3 B		ND	97.0	ND

Notes: All values in µg/L

E - Estimated due to matrix interference

* - Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

B - Estimated value (greater than MDL but less than RL)

NC - No Criteria

ND - Not Detected

Surface Water Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri SED-1 E0868-02A 6/21/06 conc. Q	Lake Capri SED-1 F1193-19A 8/23/07 conc. Q	Lake Capri SED-1 G2136-10 11/14/08 conc. Q	Lake Capri SED-1 J0376-09A 3/4/10 conc. Q	Lake Capri SED-1 K0911-01 5/22/11 conc. Q	Lake Capri SED-1 L1949-09 9/17/12 conc. Q	Lake Capri SED-1 AC75648-012 11/8/13 conc. Q	Lake Capri SED-1 AC84282-006 4/11/15 conc. Q	Lake Capri SED-1 AC91487-010 5/20/16 conc. Q
Aluminum	NC	NC	5,020	895	7630 *	6,730 E	9,620	10,800	4,200	2,600	7,800
Antimony	2.0	25	0.7 B	0.41 B	2.2 BN	6.4	ND	ND	ND	ND	ND
Arsenic	6.0	33	7.9	1.5	8.7	16.1	15.2 *	18.1	ND	5.6	17.0
Barium	NC	NC	81.2	31.9	67.7 B*E	175	445	203	73.0	39.0	170.0
Beryllium	NC	NC	0.5 B	0.074 B	0.64 B	0.75 BE	0.87 B	0.34 B	ND	ND	ND
Cadmium	0.6	9	47.8	11.6	61.4 N*E	69.2	81.2 *	89.8	63.0	26.0	63.0
Calcium	NC	NC	2,540	646	3,140 *	5,180 *	7,440 *	3,340	ND	ND	5,800
Chromium	26	110	20.7	2.8	27.1 E	39.1 *	50.0 *	57.4	ND	ND	37.0
Cobalt	NC	NC	7.6	3.7	20.2 E	20.9	29.4 E	19.7 B	ND	ND	17.0
Copper	16	110	38.6	86.3	65.7	127 *	121 *	144	61.0	220	96.0
Iron	20,000	20,000	10,300	3,880	19,700 E	36,000	44,600 *	26,700	8,200	8,600	33,000
Lead	31	110	170	19.3	176 N*E	225	226 N*	289	110	72	200
Magnesium	NC	NC	1,300	217	1,260 *E	1,770	2,100 *E	2,170	ND	ND	2,600
Manganese	460	1,100	1,290	1,200	181 *	2,250	22,600 *	3,620	3,600	310	2,500
Mercury	0.15	1.3	0.21	0.0071 B	0.34	0.38	0.33 B	0.52	ND	ND	ND
Nickel	16	50	11.4	3.0	19.4	24.1 E	24.1 *	27.3	ND	ND	24.0
Potassium	NC	NC	514	91.9	465 *	429	748	660	ND	ND	ND
Selenium	NC	NC	1.6 B	0.64 B	ND	5.0 B	ND	6.1 B	ND	ND	ND
Silver	1.0	2.2	ND	ND	ND	ND	2.7 B	ND	ND	ND	ND
Sodium	NC	NC	117	44.2 B	136 B	339	433	388 B	ND	ND	ND
Thallium	NC	NC	5.8	ND	ND	12.7	3.8 B	8.6 B	ND	ND	ND
Vanadium	NC	NC	29.4	5.1	39.9 E	78.7 E	99.2	90.5	ND	ND	70.0
Zinc	120	270	215	71.6	445 *E	493 *	572 *	642	210	140	410

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2	Lake Capri SED-2
Sample ID			E0868-04A	F1194-01A	G2136-08	J0376-10A	K0911-02	L1949-10	AC75648-012	AC84282-007	AC91487-011
Laboratory ID			6/21/06	8/23/07	11/14/08	3/4/10	5/22/11	9/17/12	11/8/13	4/11/15	5/20/16
Sample Date	Lowest Effect	Highest Effect	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	NC	15,500	1,850	2,800 *	9,050 E	8,310	8,300	9,100	12,000	13,000
Antimony	2.0	25	0.92 B	0.82 B	0.19 BN	1.3 B	ND	ND	ND	ND	ND
Arsenic	6.0	33	19.7	2.0 B	1.8	20.2	13.4 *	19.2	ND	15.0	25.0
Barium	NC	NC	89.8	57.9	40.8 *E	173	108	209	270	91.0	230
Beryllium	NC	NC	1.2	0.16 B	0.16 B	0.89 E	0.75 B	0.40 B	ND	ND	ND
Cadmium	0.6	9	133	21.2	12.5 N*E	111	96.6 *	122	96.0	150	140
Calcium	NC	NC	2,860	1,320	1,400 *	3,810 *	4,330 *	4,090	ND	ND	ND
Chromium	26	110	33.7	7.7	6.5 E	49.4 *	45.2 *	47.7	45.0	49.0	72.0
Cobalt	NC	NC	12.1	8.1	3 BE	17.8	11.1 E	16.5	20.0	13.0	19.0
Copper	16	110	210	19.6	15.6	97.7 *	80.2 *	91.0	130	130	140
Iron	20,000	20,000	20,300	8,940	3,850 E	27,500	17,300 *	25,400	42,000	17,000	24,000
Lead	31	110	315	40.7	25.8 N*E	375	315 N*	408	280	340	600
Magnesium	NC	NC	1,510	404	305 *E	1,690	1,360 *E	1,500	ND	ND	ND
Manganese	460	1,100	153	1,300	769 *	3,510	1,480 *	3,790	6,800	1,900	2,600
Mercury	0.15	1.3	0.45	0.047 BN	0.018 B	0.35	0.5	0.49	ND	0.35	0.51
Nickel	16	50	17.6	6.8 E	3.2 B	22.0 E	17.6 *	21.9	ND	ND	30.0
Potassium	NC	NC	555	200 E	123 *	373	389	428	ND	ND	ND
Selenium	NC	NC	2.2 B	1.2 B	ND	ND	ND	6.2 B	ND	ND	ND
Silver	1.0	2.2	0.33 B	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NC	NC	143	92.5 B	46.5 B	200	219	228	ND	ND	ND
Thallium	NC	NC	0.39 B	ND	ND	20.5	2.5 B	9.8	ND	ND	ND
Vanadium	NC	NC	55.9	11.9	5.8 E	61.3 E	54.0	60.8	84.0	ND	83.0
Zinc	120	270	402	138	67.9 *E	495 *	406 *	526	550	480	770

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3	Lake Capri SED-3
Sample ID			E0868-06A	F1194-03A	G2136-14	J0376-11A	K0911-03	L1949-11	AC75648-015	AC84282-008	AC91487-012
Laboratory ID			6/21/06	8/23/07	11/14/08	3/4/10	5/22/11	9/17/12	11/8/13	4/11/15	5/20/16
Sample Date	Lowest Effect	Highest Effect	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	NC	690	2,010	5,860 *	3,490 E	5,890	1,580	6,000	6,600	15,000
Antimony	2.0	25	ND	0.35 B	0.63 BN	ND	ND	ND	ND	ND	ND
Arsenic	6.0	33	0.31 B	3.1	4.2 B	2.4	5.7 *	2.3	ND	4.2	8.3
Barium	NC	NC	6.7	29.7	88.2 *E	23.1	65.1	10.2 B	62.0	ND	130
Beryllium	NC	NC	0.047 B	0.18 B	0.30 B	0.29 BE	0.50	0.037 B	ND	ND	ND
Cadmium	0.6	9	1.5	27.7	1.7 N*E	22.3	16.1 *	14.1	53.0	64.0	90.0
Calcium	NC	NC	104	605	11,700 *	1,260 *	2,940 *	199	ND	ND	ND
Chromium	26	110	1.5	7.9	9.6 E	13.7 *	9.1 *	3.7	21.0	ND	57.0
Cobalt	NC	NC	0.66 B	4.7	12.6 E	3.6	5.7 E	2.4 B	9.8	ND	32.0
Copper	16	110	2.7	16.7	32.4	32.5 *	10.9 *	8.5	57.0	70.0	160
Iron	20,000	20,000	920	5,730	10,900 E	3,770	6,240 *	1,830	9,100	9,200	26,000
Lead	31	110	9.2	44.2	34.0 N*E	85.9	46.0 N*	21.4	130	150	350
Magnesium	NC	NC	121	326	4,200 *E	527	675 *E	158	ND	ND	ND
Manganese	460	1,100	89.8	568	908 *	357	1,090 *	132	1,600	370	1,600
Mercury	0.15	1.3	0.016 B	0.049 BN	0.074 B	0.11	0.061 B	0.032 B	ND	ND	ND
Nickel	16	50	1.6 B	5.0 E	8.5 B	7.4 E	5.8 *	2.4 B	ND	ND	38.0
Potassium	NC	NC	115	168 E	1,010 *	173	254	68.7	ND	ND	ND
Selenium	NC	NC	0.2 B	1.2 B	ND	ND	ND	ND	ND	ND	ND
Silver	1.0	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NC	NC	13.7 B	51.5 B	528	90.5	103	21.8 B	ND	ND	ND
Thallium	NC	NC	0.33 B	ND	ND	1.7	1.1 B	0.36 B	ND	ND	ND
Vanadium	NC	NC	1.8	9.5	36.4 E	12.5 E	10.7	3.3	ND	ND	60
Zinc	120	270	10.0	110	71.3 *E	106 *	73.5 *	44.7	220	250	630

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/Italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri SED-4 E0868-08A 6/21/06 conc. Q	Lake Capri SED-4 F1194-05A 8/23/07 conc. Q	Lake Capri SED-4 G2136-16 11/14/08 conc. Q	Lake Capri SED-4 J0376-12A 3/4/10 conc. Q	Lake Capri SED-4 K0911-04 5/22/11 conc. Q	Lake Capri SED-4 L1949-12 9/17/12 conc. Q	Lake Capri SED-4 AC75648-016 11/8/13 conc. Q	Lake Capri SED-4 AC84282-009 4/11/15 conc. Q	Lake Capri SED-4 AC91487-013 5/20/16 conc. Q
Aluminum	NC	NC	2,730	3,290	1,790 *	2,170 E	5,850	11,700	13,000	4,800	1,900
Antimony	2.0	25	0.22 B	0.76 B	0.42 BN	0.3 B	ND	ND	ND	ND	ND
Arsenic	6.0	33	3.4	4.0	3.9	1.9	4.4 *	6.2 B	ND	4.8	4.3
Barium	NC	NC	41.5	47.8	177 *E	18.7	64.8	103	110	66	19.0
Beryllium	NC	NC	0.2 B	0.22 B	0.13 B	0.19 BE	0.45 B	0.36 B	ND	ND	ND
Cadmium	0.6	9	32.3	32.3	15.8 N*E	14.8	47.3 *	79.5	98.0	57.0	49.0
Calcium	NC	NC	588	1,240	8,090 *	758 *	2,560 *	3,200	ND	ND	ND
Chromium	26	110	8.6	12.5	6.8 E	8.1 *	21.7 *	45.4	47.0	ND	ND
Cobalt	NC	NC	4.9	10.0	7.0 E	3.1	9.5 E	13.3 B	ND	11	6.3
Copper	16	110	21.6	35.7	17.1	22.6 *	49.5 *	117	140	54	21.0
Iron	20,000	20,000	4,450	9,330	7,280 E	2,540	9,170 *	12,800	17,000	9,000	4,300
Lead	31	110	71.2	193	34.3 N*E	60.6	129 N*	297	310	110	43.0
Magnesium	NC	NC	352	519	653 *E	304	868 *E	1,650	ND	ND	ND
Manganese	460	1,100	837	845	11,700 *	272	1,150 *	1,820	2,300	1,100	180
Mercury	0.15	1.3	0.096	0.059 BN	0.21	0.082	0.18	0.39	ND	ND	ND
Nickel	16	50	6.0	10.7 E	6.3	4.8 E	13 *	25.3	ND	ND	ND
Potassium	NC	NC	145	236 E	281 *	103	383	623	ND	ND	ND
Selenium	NC	NC	0.76 B	1.9 B	3.3	ND	ND	4.6 B	ND	ND	ND
Silver	1.0	2.2	ND	ND	1.1 B	ND	ND	ND	ND	ND	ND
Sodium	NC	NC	35.4 B	87.0	131	56 B	145 B	312 B	ND	ND	ND
Thallium	NC	NC	3.7	ND	2.8	1.6	1.7 B	4.6 B	ND	ND	ND
Vanadium	NC	NC	9.2	16.9	7.4 E	7.2 E	26.6	41.2	ND	ND	ND
Zinc	120	270	122	186	110 *E	71.3 *	232 *	323	330	250	110

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/Italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location	NYSDEC Technical Guidance for Sediment Criteria		Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	Willetts Creek SED-5	
Sample ID	Laboratory ID		E0868-10A	F1193-17A	G2114-21	J0376-13A	K0911-05	L1949-13	AC75648-017	AC84282-010	AC91487-014	
Sample Date	Lowest Effect	Highest Effect	6/21/06	8/23/07	11/14/08	3/4/10	5/22/11	9/18/12	11/8/13	4/11/15	5/20/16	
	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q	conc.	Q
Aluminum	NC	NC	1,060	552	5,150	2,540 E	6,300	345	820	5,300	9,900	
Antimony	2.0	25	0.074 B	0.27 B	1.1 BN	0.68 B	1.4 BN	ND	ND	ND	ND	
Arsenic	6.0	33	0.6 B	0.52 B	8.2	6.5	9.3 *	1.6	ND	11.0	18.0	
Barium	NC	NC	12.1	13.6	96.6	84.6	114	15.1	ND	120	150	
Beryllium	NC	NC	0.083 B	0.03 B	0.34 B	0.24 BE	0.57 B	0.010 B	ND	ND	ND	
Cadmium	0.6	9	0.43	1.6	52.0	28.8	73.5 *	1.7	7.1	62.0	140	
Calcium	NC	NC	228	1,430	4,150	3,470 *	7,960 *	330	ND	4,300	13,000	
Chromium	26	110	3.8	2.7	33.3	18.5 *	44.0 *	3.5	ND	35.0	64.0	
Cobalt	NC	NC	1.2 B	1.1 B	7.8	7.4	13.3 E	1.1 B	ND	13.0	20.0	
Copper	16	110	4.7	4.7	103	54.0 *	166 *	9.0	42.0	110	210	
Iron	20,000	20,000	3,400	3,410	23,900	25,800	39,900 *	4,180	5,100	32,000	42,000	
Lead	31	110	7.9	4.9	215 E	83.3	229 N*	9.4	37.0	190	350	
Magnesium	NC	NC	604	864	1,370	701	1,370 *E	75.8	ND	ND	2,500	
Manganese	460	1,100	174	291	2,140	3,750	1,210 *	417	610	3,500	670	
Mercury	0.15	1.3	0.016 B	0.0055 B	0.48	0.26	0.37	0.023 B	ND	1.2	0.73	
Nickel	16	50	1.6	1.0 B	19.2	8.0 E	22.5 *	1.9 B	ND	ND	32.0	
Potassium	NC	NC	135	58.3	320	188	360	29.6 B	ND	ND	ND	
Selenium	NC	NC	0.28 B	0.56 B	ND	2.3 B	ND	0.87 B	ND	ND	ND	
Silver	1.0	2.2	ND	ND	ND	0.52 B	ND	0.084 B	ND	ND	ND	
Sodium	NC	NC	18.3 B	102	204	141	323	11.7 B	ND	ND	ND	
Thallium	NC	NC	0.56 B	ND	2.1 B	20.1	1.9 B	0.76 B	ND	ND	ND	
Vanadium	NC	NC	5.6	4.5	54.2	44.6 E	175	7.8	27.0	60.0	130	
Zinc	120	270	13.2	26.2	290 E	171 *	440 *	24.2	78.0	360	700	

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/Italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
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N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location	NYSDEC Technical Guidance for Sediment Criteria		Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6	Willetts Creek SED-6
Sample ID	Laboratory ID		E0868-12A	F1194-07A	G2114-17	J0376-14	K0911-06	L1949-14	AC75648-018	AC84282-011	AC91487-015
Sample Date	Lowest Effect	Highest Effect	6/21/06	8/23/07	11/14/08	3/4/10	5/22/11	9/18/12	11/8/13	4/11/15	5/20/16
			conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q	conc. Q
Aluminum	NC	NC	1,030	775	7,700	802 E	1,370	574	1,000	810	3,700
Antimony	2.0	25	0.076	0.38 B	2.6 N	0.38 B	0.44 BN	ND	ND	ND	ND
Arsenic	6.0	33	0.97	0.84 B	6.4	0.79	2.7 *	0.64 B	ND	0.56	2.7
Barium	NC	NC	7.4	4.7 B	89.7	3.6 B	10.4	2.7 B	ND	ND	28.0
Beryllium	NC	NC	0.094	0.049 B	0.36 B	0.069 BE	0.11 B	ND	ND	ND	ND
Cadmium	0.6	9	0.23	0.31	101	0.31	ND	0.30	ND	ND	1.4
Calcium	NC	NC	4,760	599	7,690	2,450 *	4,670 *	299	ND	ND	5,200
Chromium	26	110	2.4	3.4	41.8	4.4 *	15.9 *	5.4	ND	ND	33.0
Cobalt	NC	NC	1.8	0.77 B	8.1	0.65 B	1.9 BE	0.50 B	3.3	ND	ND
Copper	16	110	28.3	6.3	77.3	9.4 *	21.5 *	8.0	11.0	8.7	54.0
Iron	20,000	20,000	3,290	2,900	25,600	2,810	36,900 *	2,120	27,000	2,600	11,000
Lead	31	110	7.9	10.3	109 E	9.5	39.7 N*	8.7	88.0	7.2	57.0
Magnesium	NC	NC	2,930	468	1,980	1,410	1,290 *E	263	ND	ND	2,200
Manganese	460	1,100	102	30.4	978	21.3	118 *	16.2	610	18.0	100
Mercury	0.15	1.3	0.036 B	ND	0.15	ND	0.019 B	0.011 B	ND	ND	ND
Nickel	16	50	1.8	1.9 BE	17.2	1.8 BE	10.1 *	2.0 B	ND	ND	9.7
Potassium	NC	NC	118	122 E	528	66.4	97.5	54.2 B	ND	ND	ND
Selenium	NC	NC	ND	0.69 B	ND	ND	ND	ND	ND	ND	ND
Silver	1.0	2.2	ND	ND	ND	ND	ND	0.080 B	ND	ND	ND
Sodium	NC	NC	24.9 B	70.7	414	47.7	51.8	22.0 B	ND	ND	ND
Thallium	NC	NC	0.25 B	0.36 B	0.98 B	ND	ND	ND	ND	ND	ND
Vanadium	NC	NC	9.9	6.0	42.4	4.2 E	8.5	3.2	18.0	ND	23.0
Zinc	120	270	17.2	24.2	409 E	31.0 *	68.9 *	38.9	66.0	32.0	300

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/Italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
* - Percent recovery for duplicates were not within QC limits
N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 6
DZUS FASTENERS SITE (1-52-033)
JUNE 2006 THROUGH MAY 2016 SAMPLING EVENTS
SUMMARY OF TAL METALS IN WILLETTS CREEK AND LAKE CAPRI SEDIMENT SAMPLES

Sample Location Sample ID Laboratory ID Sample Date	NYSDEC Technical Guidance for Sediment Criteria		Lake Capri Cove SC-1 AC84282-016 4/10/15 conc. Q	Lake Capri Cove SC-2 AC84282-017 4/10/15 conc. Q	Lake Capri Cove SC-3 AC84282-018 4/10/15 conc. Q	Lake Capri Cove SC-4 AC84282-019 4/10/15 conc. Q	Lake Capri Cove SC-5 AC84282-020 4/10/15 conc. Q
	Lowest Effect	Highest Effect					
Aluminum	NC	NC	NC	NC	NC	600	NC
Antimony	2.0	25	NC	NC	NC	ND	NC
Arsenic	6.0	33	NC	NC	NC	0.52	NC
Barium	NC	NC	NC	NC	NC	ND	NC
Beryllium	NC	NC	NC	NC	NC	ND	NC
Cadmium	0.6	9	12.0	0.82	ND	ND	1.4
Calcium	NC	NC	NC	NC	NC	ND	NC
Chromium	26	110	NC	NC	NC	ND	NC
Cobalt	NC	NC	NC	NC	NC	ND	NC
Copper	16	110	NC	NC	NC	ND	NC
Iron	20,000	20,000	NC	NC	NC	1,400	NC
Lead	31	110	NC	NC	NC	ND	NC
Magnesium	NC	NC	NC	NC	NC	ND	NC
Manganese	460	1,100	NC	NC	NC	61.0	NC
Mercury	0.15	1.3	NC	NC	NC	ND	NC
Nickel	16	50	NC	NC	NC	ND	NC
Potassium	NC	NC	NC	NC	NC	ND	NC
Selenium	NC	NC	NC	NC	NC	ND	NC
Silver	1.0	2.2	NC	NC	NC	ND	NC
Sodium	NC	NC	NC	NC	NC	ND	NC
Thallium	NC	NC	NC	NC	NC	ND	NC
Vanadium	NC	NC	NC	NC	NC	ND	NC
Zinc	120	270	NC	NC	NC	ND	NC

Notes: B - Estimated value (greater than MDL but less than RL)
BOLD/Italics - exceeds lowest effects criterion
E - Replicate RPDs were not within QC limits
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N - Spike recoveries were not within QC limits

All values in mg/kg
NC - No Criteria
ND - Not Detected
Sediment Contaminants of Concern

TABLE 7
DZUS FASTENERS SITE (1-52-033)
MAY 2016 (ROUND 9) SAMPLING EVENT
GROUNDWATER FIELD DUPLICATE DATA SUMMARY

Sample Location Sample ID Laboratory ID Sample Date Filtered/Unfiltered Metal	MW-9B DMW-9B AC91318-014 5/12/16 Unfiltered conc. Q	MW-9B DMW-59 AC91318-024 5/12/16 Unfiltered conc. Q	Precision as Relative Percent Difference (RPD)	MW-9B DMW-9BF AC91318-017 5/12/16 Unfiltered conc. Q	MW-9B DMW-59F AC91318-025 5/12/16 Filtered conc. Q	Precision as Relative Percent Difference (RPD)
Aluminum	ND	ND	NC	ND	ND	NC
Antimony	ND	ND	NC	ND	ND	NC
Arsenic	ND	ND	NC	ND	ND	NC
Barium	ND	ND	NC	ND	ND	NC
Beryllium	ND	ND	NC	ND	ND	NC
Cadmium	ND	ND	NC	ND	ND	NC
Calcium	14,000	14,000	0.0%	14,000	12,000	15.4%
Chromium	ND	ND	NC	ND	ND	NC
Cobalt	ND	ND	NC	ND	ND	NC
Copper	ND	ND	NC	ND	ND	NC
Iron	ND	ND	NC	ND	ND	NC
Lead	ND	ND	NC	ND	ND	NC
Magnesium	ND	ND	NC	ND	ND	NC
Manganese	ND	ND	NC	ND	ND	NC
Mercury	ND	ND	NC	ND	ND	NC
Nickel	ND	ND	NC	ND	ND	NC
Potassium	ND	ND	NC	ND	ND	NC
Selenium	ND	ND	NC	ND	ND	NC
Silver	ND	ND	NC	ND	ND	NC
Sodium	14,000	13,000	7.4%	15,000	12,000	22.2%
Thallium	ND	ND	NC	ND	ND	NC
Vanadium	ND	ND	NC	ND	ND	NC
Zinc	ND	ND	NC	ND	ND	NC

Notes:

All values in µg/L

NC - Not Calculable (analyte not detected in one or both analyses)

ND - Not Detected

B - Estimated value (greater than MDL but less than RL)

E - Estimated concentration due to interference based on serial dilution.

BOLD/Italics - exceeds criterion

Groundwater Contaminants of Concern

TABLE 8
DZUS FASTENERS SITE (1-52-033)
MAY 2016 (ROUND 9) SAMPLING EVENT
SURFACE WATER FIELD DUPLICATE DATA SUMMARY

Sample Location Sample ID Laboratory ID Sample Date	Lake Capri SW-3 AC91487-003 5/20/16 conc. Q	Lake Capri SW-7 AC91487-007 5/20/16 conc. Q	Precision as Relative Percent Difference (RPD)
Metal			
Aluminum	ND	ND	NC
Antimony	ND	ND	NC
Arsenic	ND	ND	NC
Barium	ND	ND	NC
Beryllium	ND	ND	NC
Cadmium	ND	ND	NC
Calcium	14,000	15,000	6.9%
Chromium	ND	ND	NC
Cobalt	ND	ND	NC
Copper	ND	ND	NC
Iron	ND	ND	NC
Lead	ND	ND	NC
Magnesium	ND	ND	NC
Manganese	130	140	7.4%
Mercury	ND	ND	NC
Nickel	ND	ND	NC
Potassium	ND	ND	NC
Selenium	ND	ND	NC
Silver	ND	ND	NC
Sodium	22,000	24,000	8.7%
Thallium	ND	ND	NC
Vanadium	ND	ND	NC
Zinc	ND	ND	NC

All values in µg/L

NC - Not Calculable (analyte not detected in one or both analyses)

ND - Not Detected

B - Estimated value (greater than MDL but less than RL)

E - Estimated concentration due to interference based on serial dilution.

BOLD/italics - exceeds criterion

Surface Water Contaminants of Concern

TABLE 9
DZUS FASTENERS SITE (1-52-033)
MAY 2016 (ROUND 9) SAMPLING EVENT
SEDIMENT FIELD DUPLICATE DATA SUMMARY

Sample Location Field Sample ID Laboratory ID Sample Date	Lake Capri SED-3 AC91487-012 5/20/16 conc. Q	Lake Capri SED-7 AC91487-016 5/20/16 conc. Q	Precision as Relative Percent Difference (RPD)
Metal			
Aluminum	15,000	1,400	165.9%
Antimony	ND	ND	NC
Arsenic	8.3	1.8	128.7%
Barium	130	22.0	142.1%
Beryllium	ND	ND	NC
Cadmium	90.0	18.0	133.3%
Calcium	ND	ND	NC
Chromium	57.0	ND	NC
Cobalt	32.0	6.5	132.5%
Copper	160	15.0	165.7%
Iron	26,000	4,200	144.4%
Lead	350	33.0	165.5%
Magnesium	ND	ND	NC
Manganese	1,600	290	138.6%
Mercury	ND	ND	NC
Nickel	38.0	ND	NC
Potassium	ND	ND	NC
Selenium	ND	ND	NC
Silver	ND	ND	NC
Sodium	ND	ND	NC
Thallium	ND	ND	NC
Vanadium	60.0	ND	NC
Zinc	630	100	145.2%

All values in mg/kg dry weight.

NC - Not Calculable (analyte not detected in one or both analyses)

ND - Not Detected

B - Estimated value (greater than MDL but less than RL)

E - Estimated concentration due to interference based on serial dilution

N - Laboratory spike recovery outside control limit

* - Laboratory Replicate RPDs were not within QC limits

BOLD/Italics - exceeds criterion

Sediment Contaminants of Concern

Figures



USGS NY Bay Shore West
Quadrangle

U.S.G.S. 1:24 000 SCALE
TOPOGRAPHIC MAP

Copyright:© 2011
National Geographic Society
i-cubed

Prepared by:

AECOM

Prepared for:



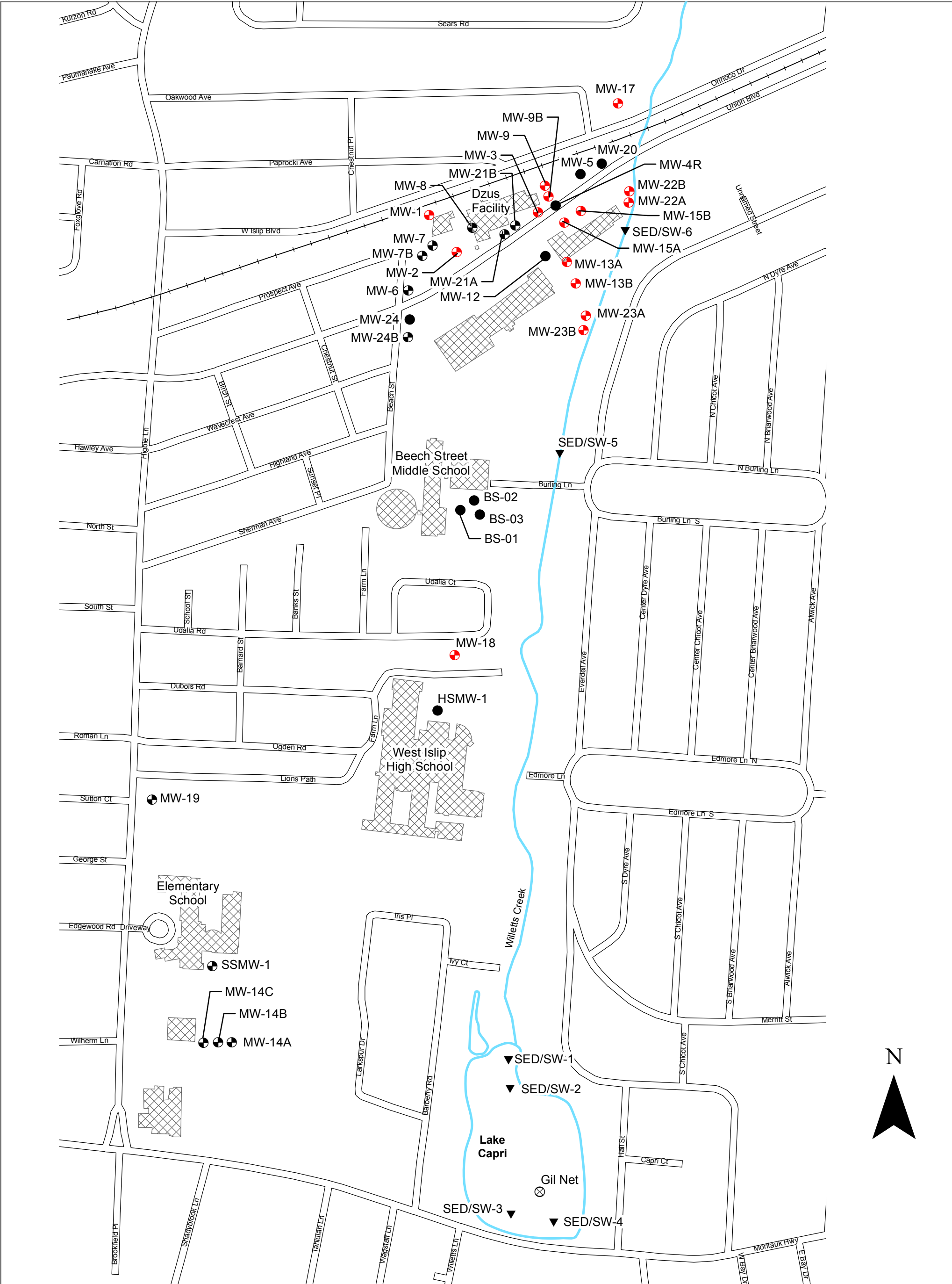
Multi Site G
Operation, Maintenance & Monitoring

Site Location
Dzus Fasteners Site

Date:
January 2013

Scale:
1 inch = 2,500 feet

Figure No. :
1



Legend

- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- GIL NET



Prepared by:



SUBMITTED BY:

PK

DRAWN BY:

CF

APPROVED BY:

PK

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

SITE PLAN

DATE:

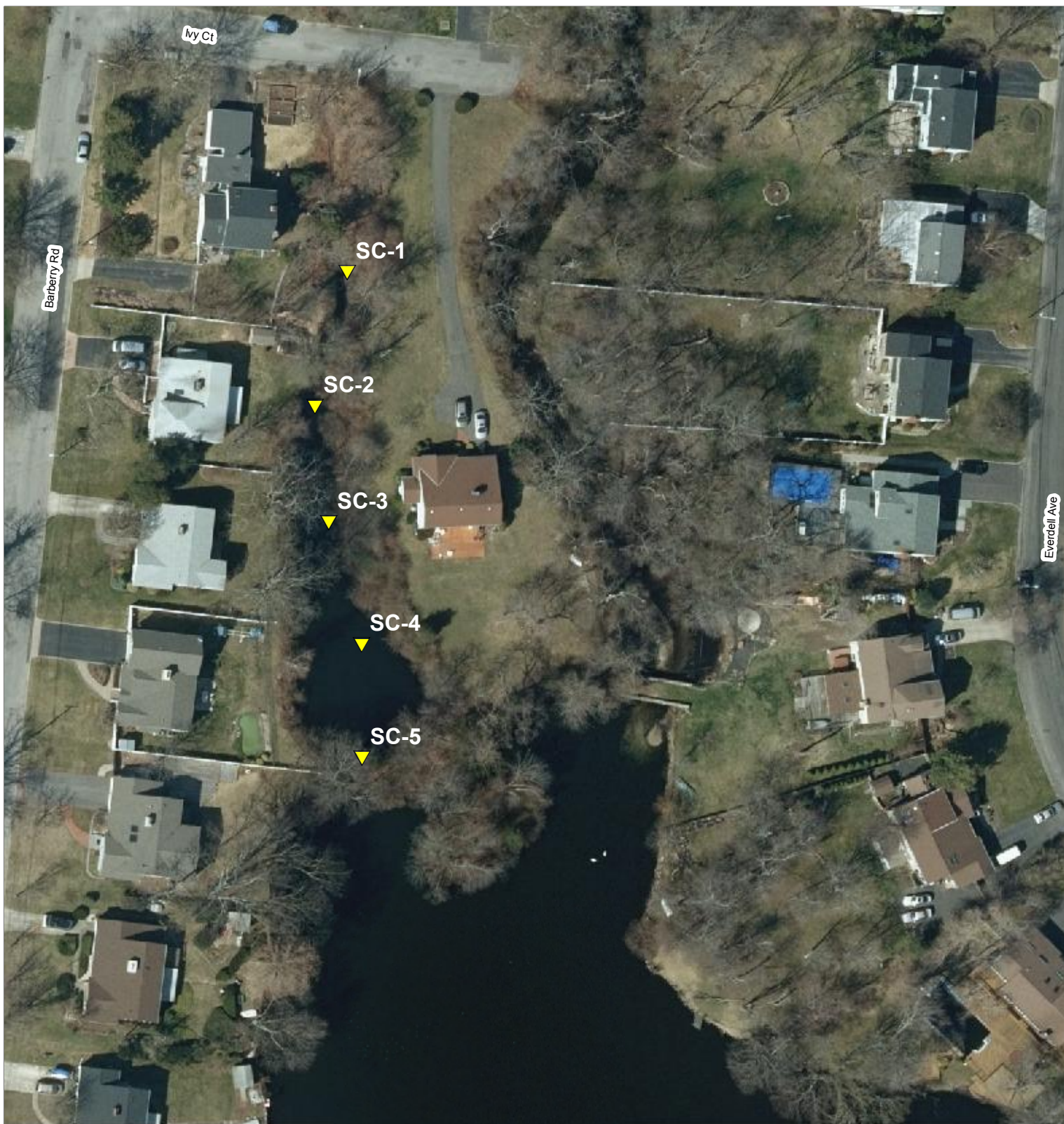
JULY 2016

SCALE:

1" = 400 feet

DRAWING NO.:

2



Legend



Cove Sampling Locations

0 25 50 100
 Feet

N



Sources:

Aerials from 2013 Half Foot 4 Band Long Island Zone
 New York Statewide Digital Orthoimagery Program

Prepared by:

AECOM

SUBMITTED BY:

PK

DRAWN BY:

CF

APPROVED BY:

PK

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

LAKE CAPRI COVE SAMPLE LOCATIONS

DATE:

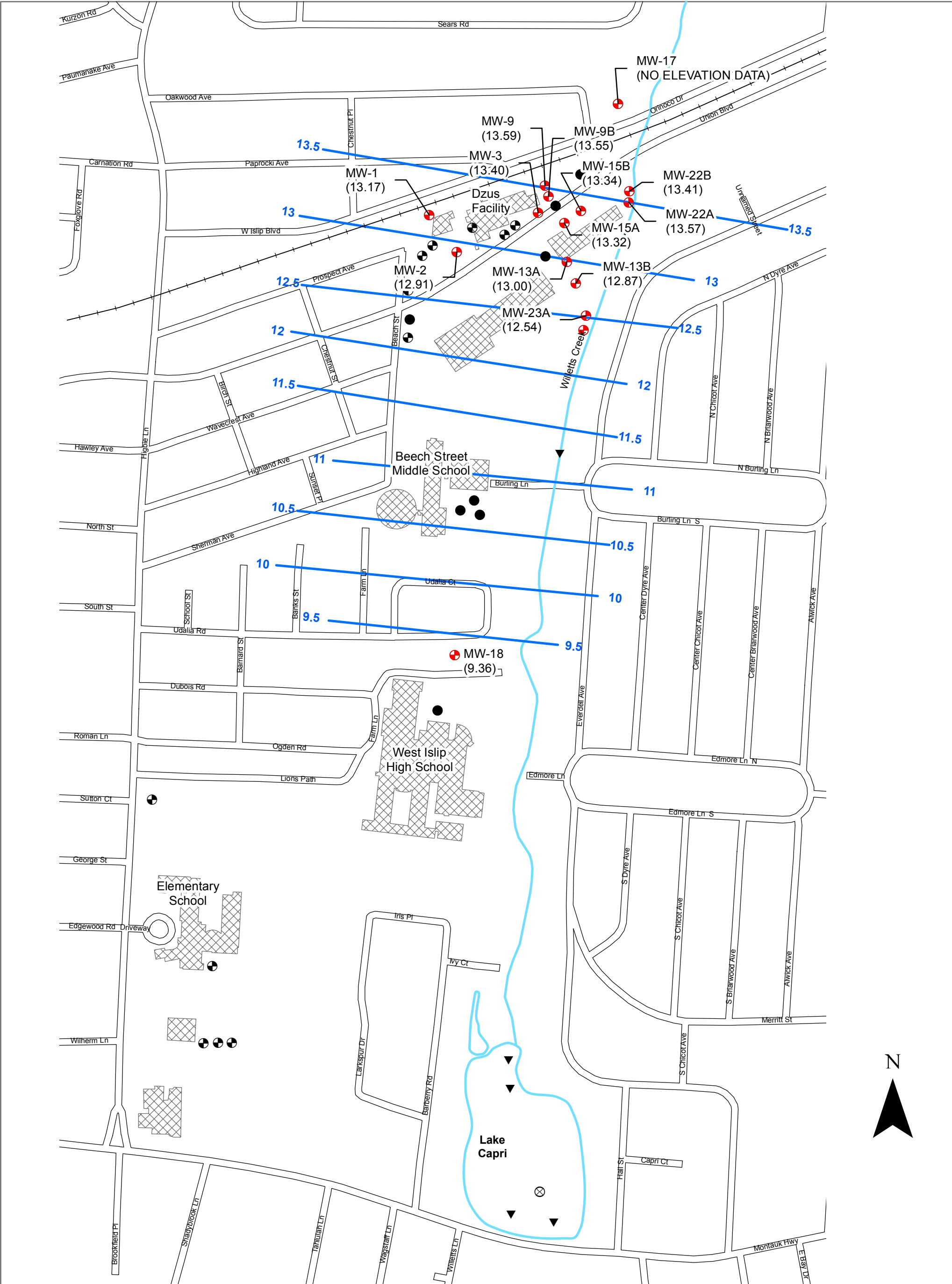
JULY 2015

SCALE:

1" = 75 feet

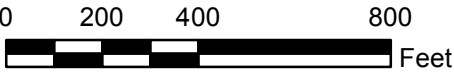
DRAWING NO.:

2A



Legend

- GROUNDWATER CONTOUR INTERVAL - 0.5 ft
- (9.96) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION

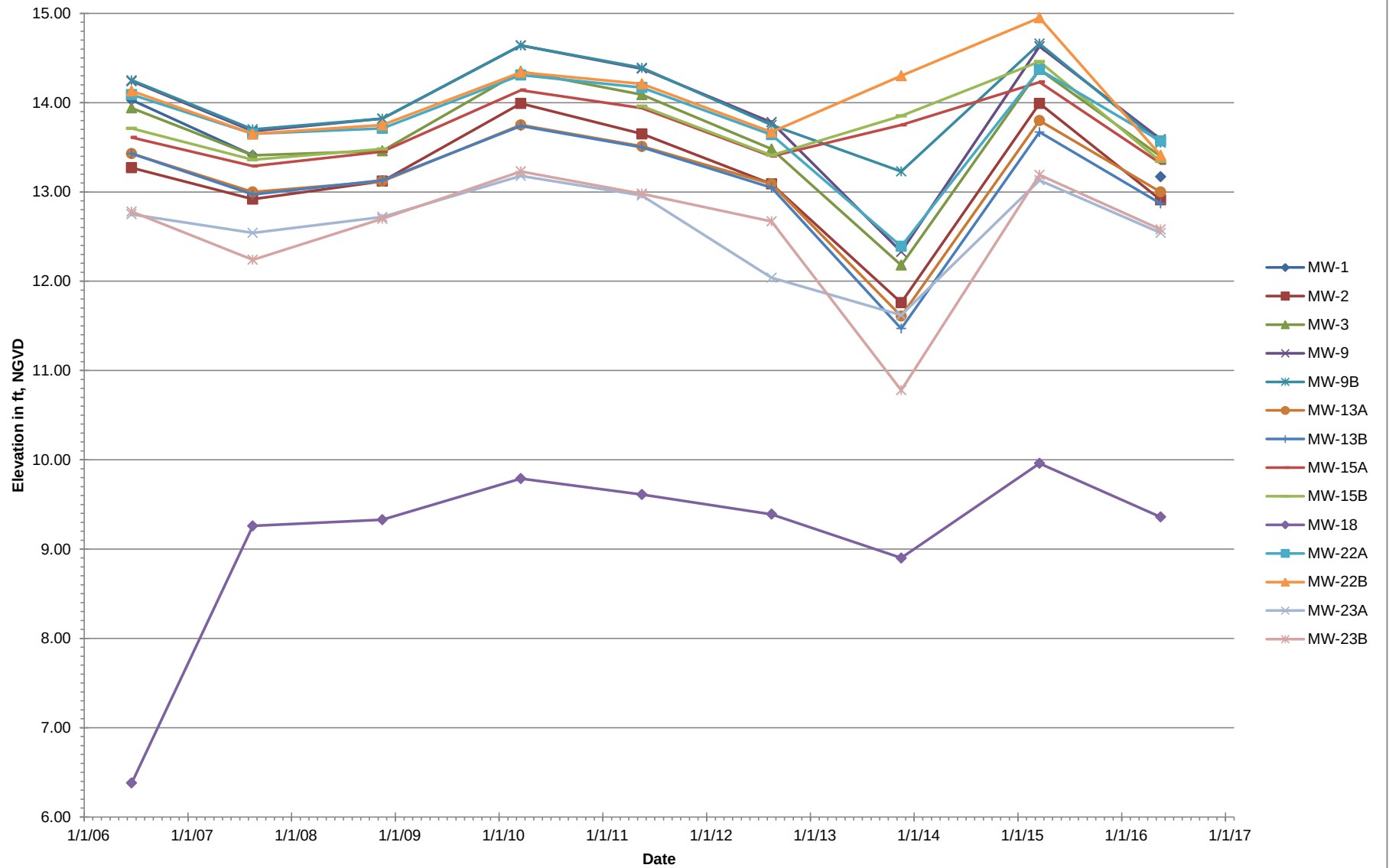


Prepared by:

AECOM

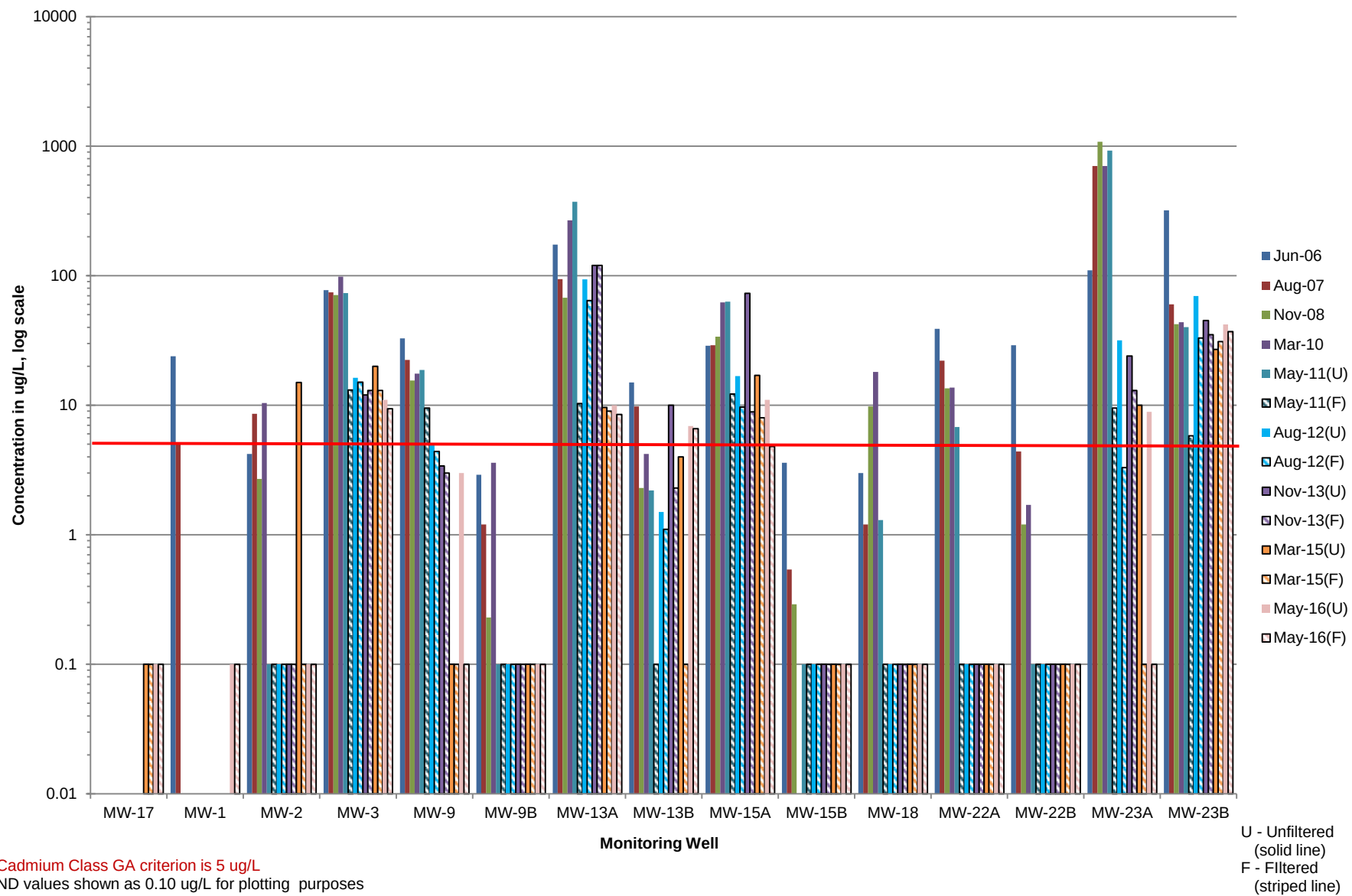
SUBMITTED BY:	MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033		
PK	GROUNDWATER CONTOUR MAP MAY 2016		
DRAWN BY:			
CF			
APPROVED BY:	DATE:	SCALE:	DRAWING NO.:
PK	JULY 2015	1" = 400 feet	3

Figure 3A
Dzus Fasteners (1-52-077)
Groundwater Hydrograph

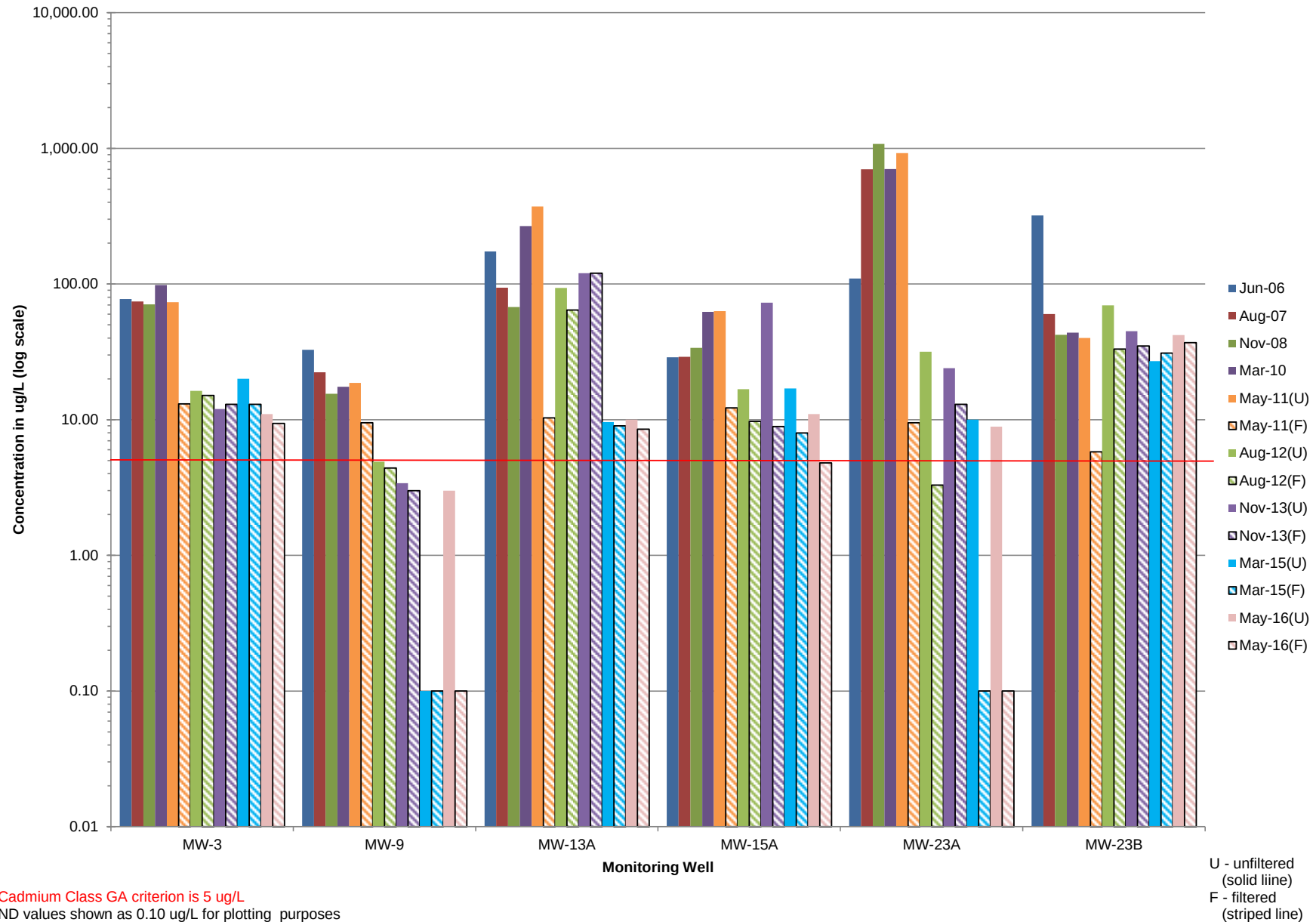


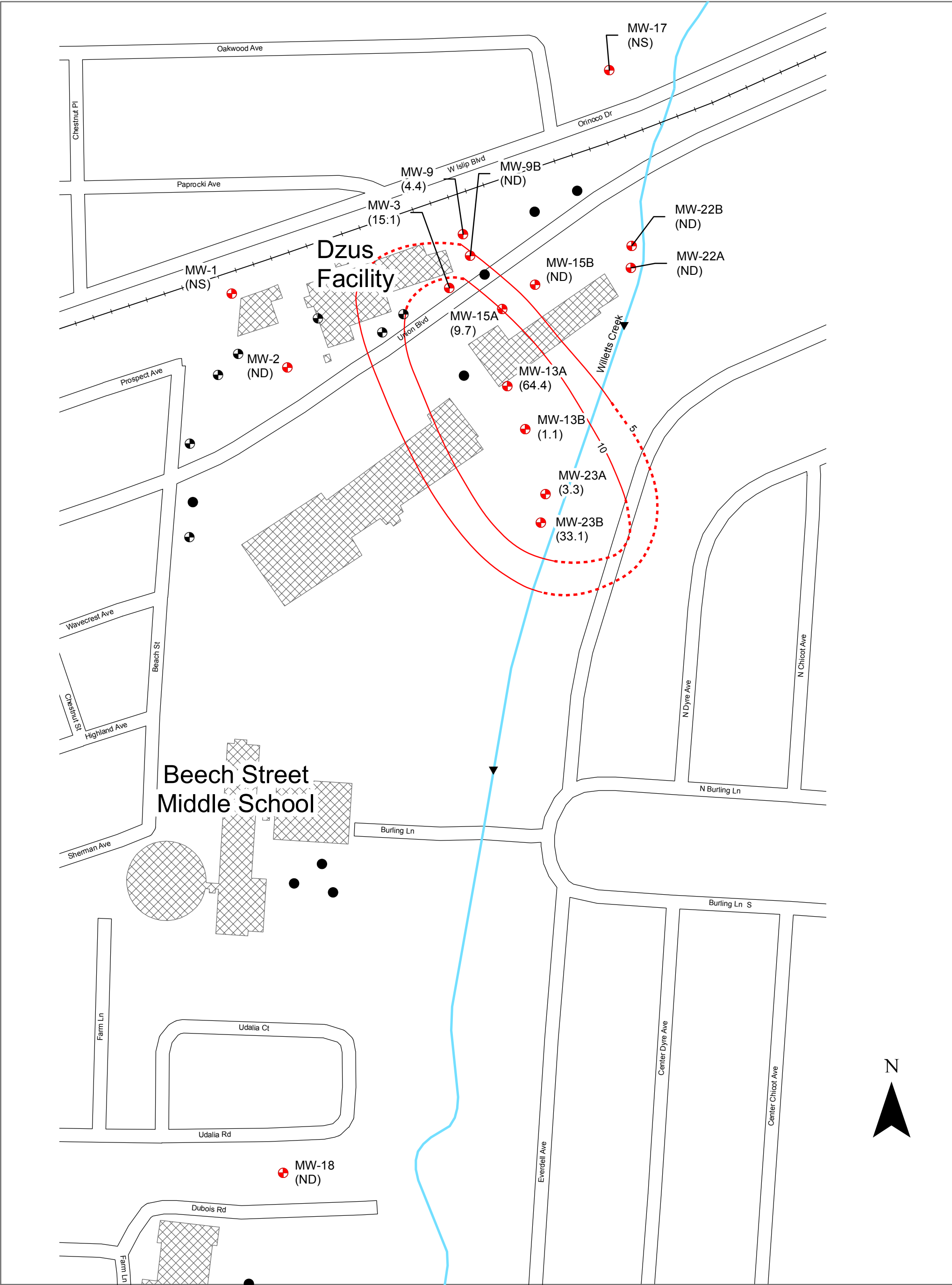
MW-1 was destroyed in December 2007, replaced in August 2015

FIGURE 5
CADMIUM CONCENTRATIONS IN LONG TERM MONITORING WELLS
DZUS FASTRENERS SITE (1-52-033)



**FIGURE 5A
CADMIUM CONCENTRATIONS IN SELECTED MONITORING WELLS
DZUS FASTENERS SITE (1-52-033)**



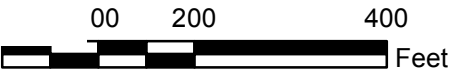


Legend

- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- NS Not Sampled
- ND Not Detected

(13.0) FILTERED CADMIUM CONCENTRATION IN ug/L

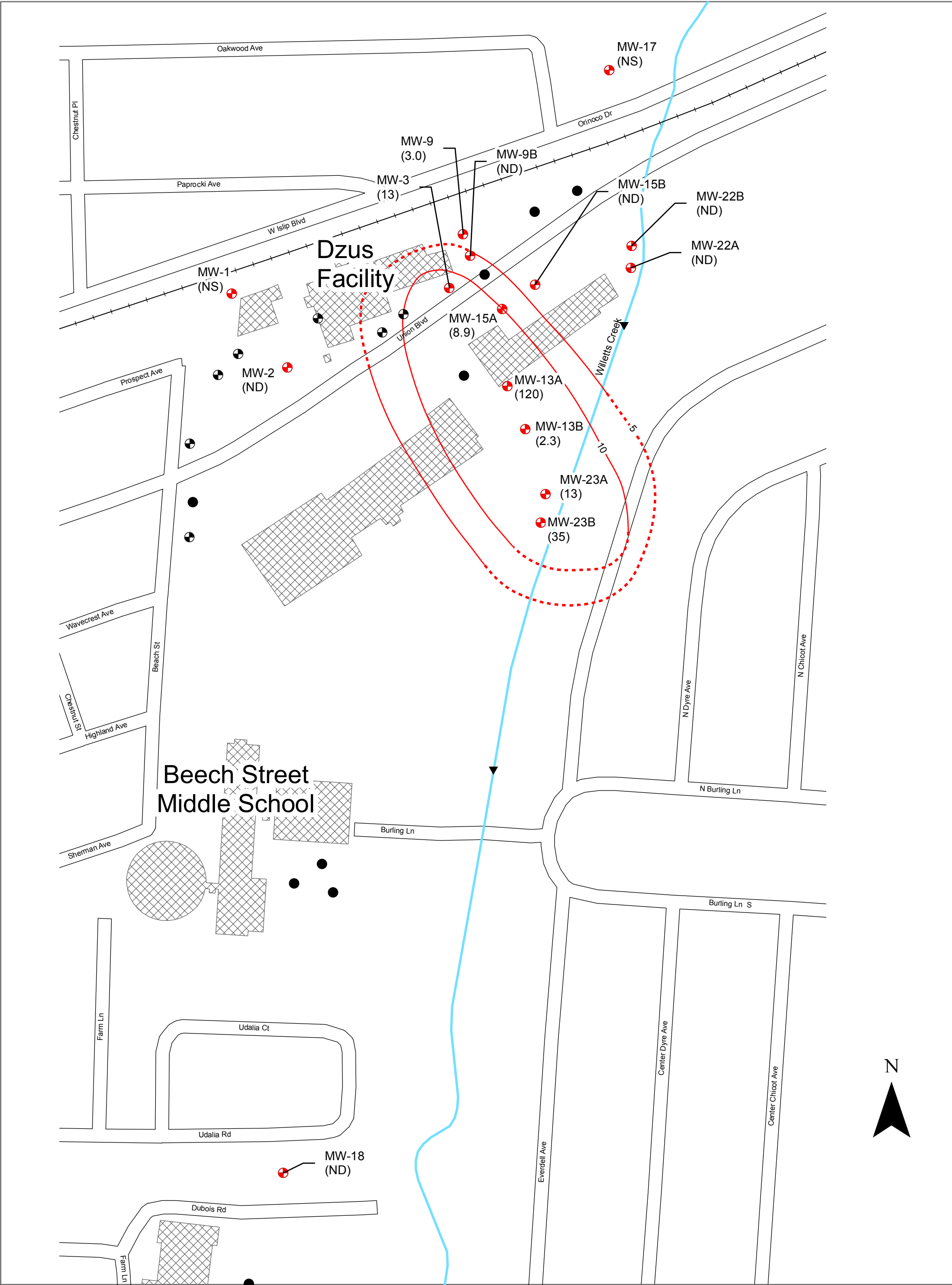
CADMIUM ISOCONCENTRATION LINE. CONTOUR INTERVAL IS 5ug/L. DASHED WHERE INFERRED



Prepared by:



SUBMITTED BY:		MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033 FILTERED CADMIUM ISOCONCENTRATION MAP AUGUST 2012		
PK				
DRAWN BY:				
CF				
APPROVED BY:				
PK		DATE: JULY 2015	SCALE: 1" = 200 feet	DRAWING NO.: 6

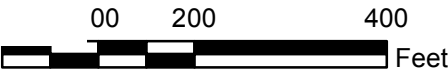


Legend

- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- NS Not Sampled
- ND Not Detected

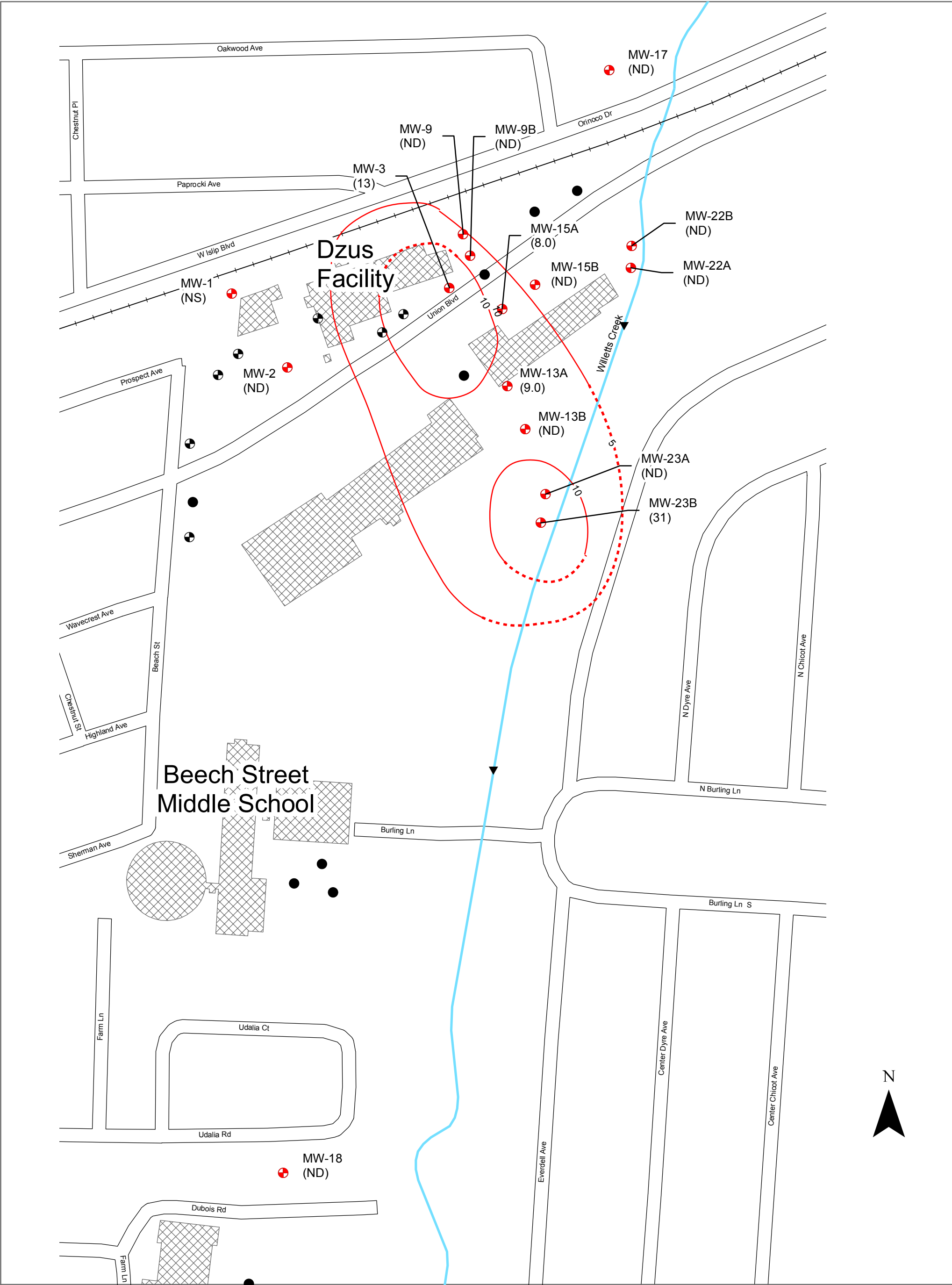
(13.0) FILTERED CADMIUM CONCENTRATION IN ug/L

CADMIUM ISOCONCENTRATION LINE. CONTOUR INTERVAL IS 5ug/L. DASHED WHERE INFERRED



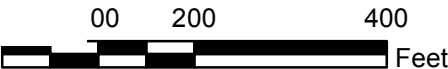
Prepared by:

SUBMITTED BY:	MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033		
PK	FILTERED CADMIUM ISOCONCENTRATION MAP NOVEMBER 2013		
DRAWN BY:			
CF			
APPROVED BY:	DATE:	SCALE:	DRAWING NO.:
PK	JULY 2015	1 " = 200 feet	6A

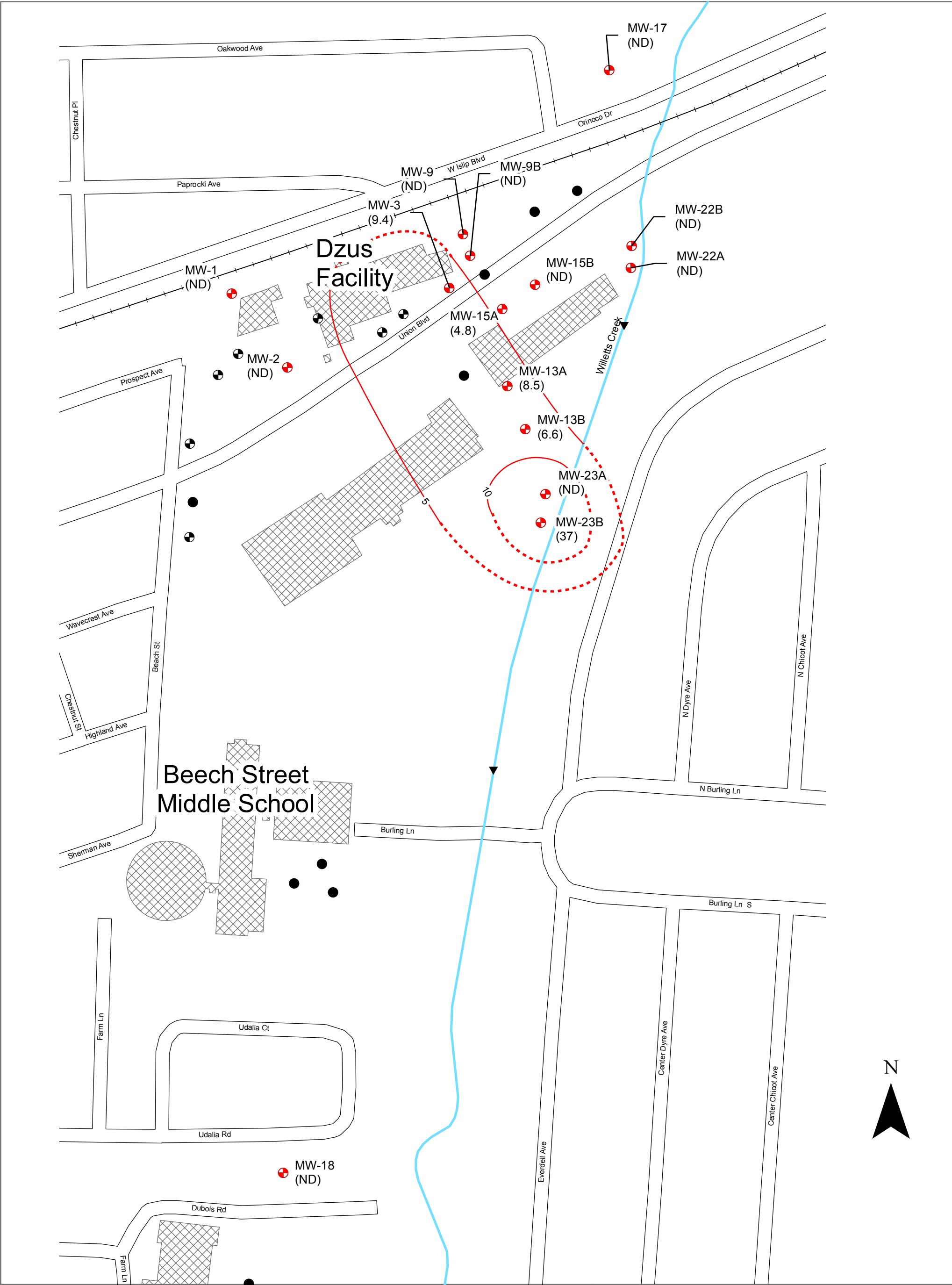


Legend

- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- NS: Not Sampled
- ND: Not Detected
- (13.0): FILTERED CADMIUM CONCENTRATION IN ug/L
- CADMIUM ISOCONCENTRATION LINE. CONTOUR INTERVAL IS 5ug/L. DASHED WHERE INFERRED



Prepared by:				
				
SUBMITTED BY:		MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033 FILTERED CADMIUM ISOCONCENTRATION MAP MARCH 2015		
PK				
DRAWN BY:				
CF				
APPROVED BY:				
PK		DATE: MAY 2016	SCALE: 1" = 200 feet	DRAWING NO.: 6B

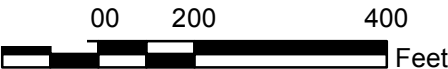


Legend

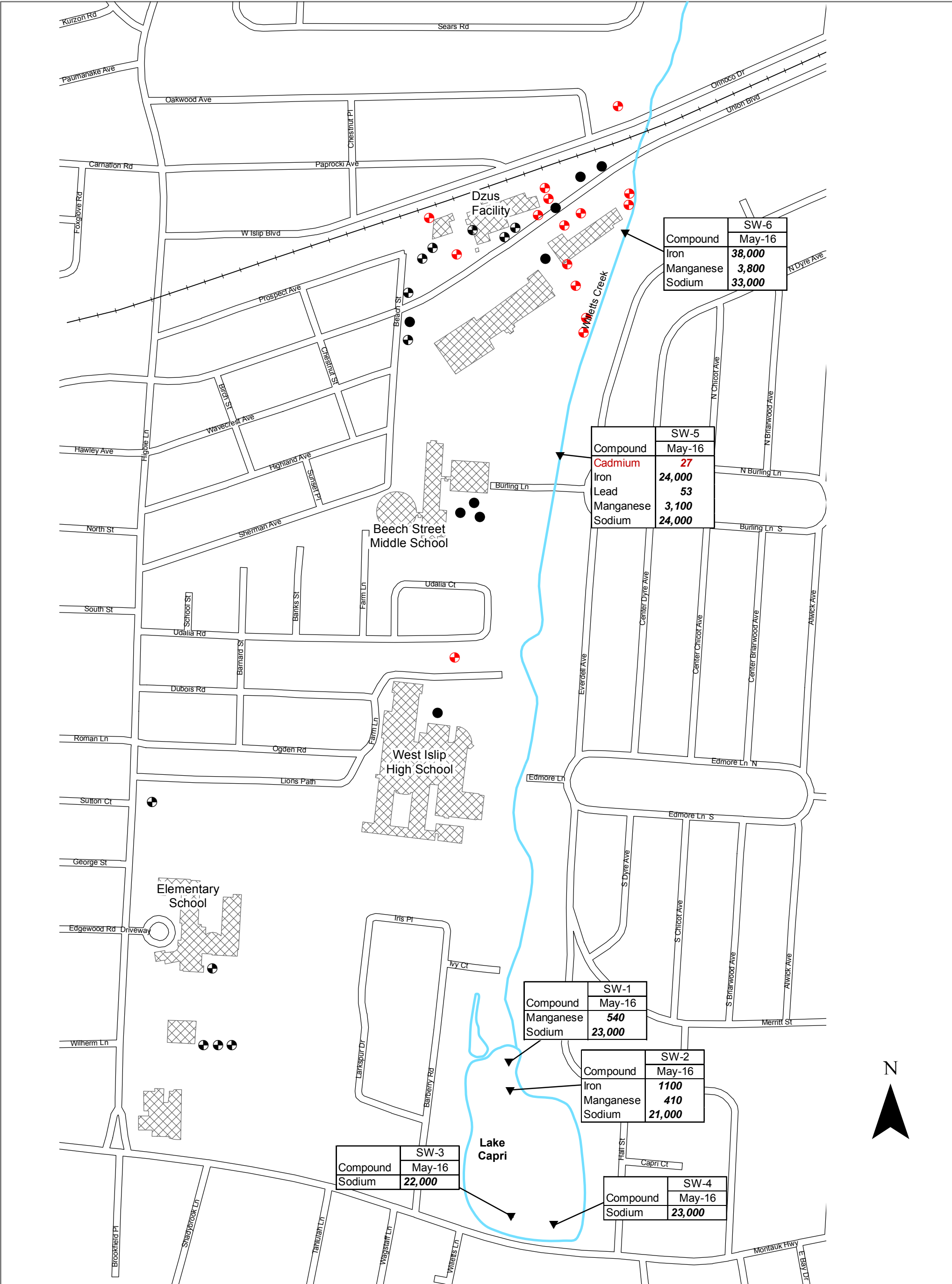
- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- NS Not Sampled
- ND Not Detected

(13.0) FILTERED CADMIUM CONCENTRATION IN ug/L

CADMIUM ISOCONCENTRATION LINE. CONTOUR INTERVAL IS 5ug/L. DASHED WHERE INFERRED

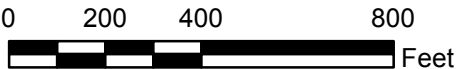


Prepared by:				
				
SUBMITTED BY:		MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033 FILTERED CADMIUM ISOCONCENTRATION MAP MAY 2016		
PK				
DRAWN BY:				
CF				
APPROVED BY:				
PK		DATE: JULY 2015	SCALE: 1" = 200 feet	DRAWING NO.: 6C



Legend

- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION



Compound	Surface Water Criteria
Cadmium	5
Iron	300
Manganese	300
Sodium	20,000

Notes:
Contaminants of Concern
All values in mg/L
BOLD/Italics exceeds criterion

Prepared by:



SUBMITTED BY:

PK

DRAWN BY:

CF

APPROVED BY:

PK

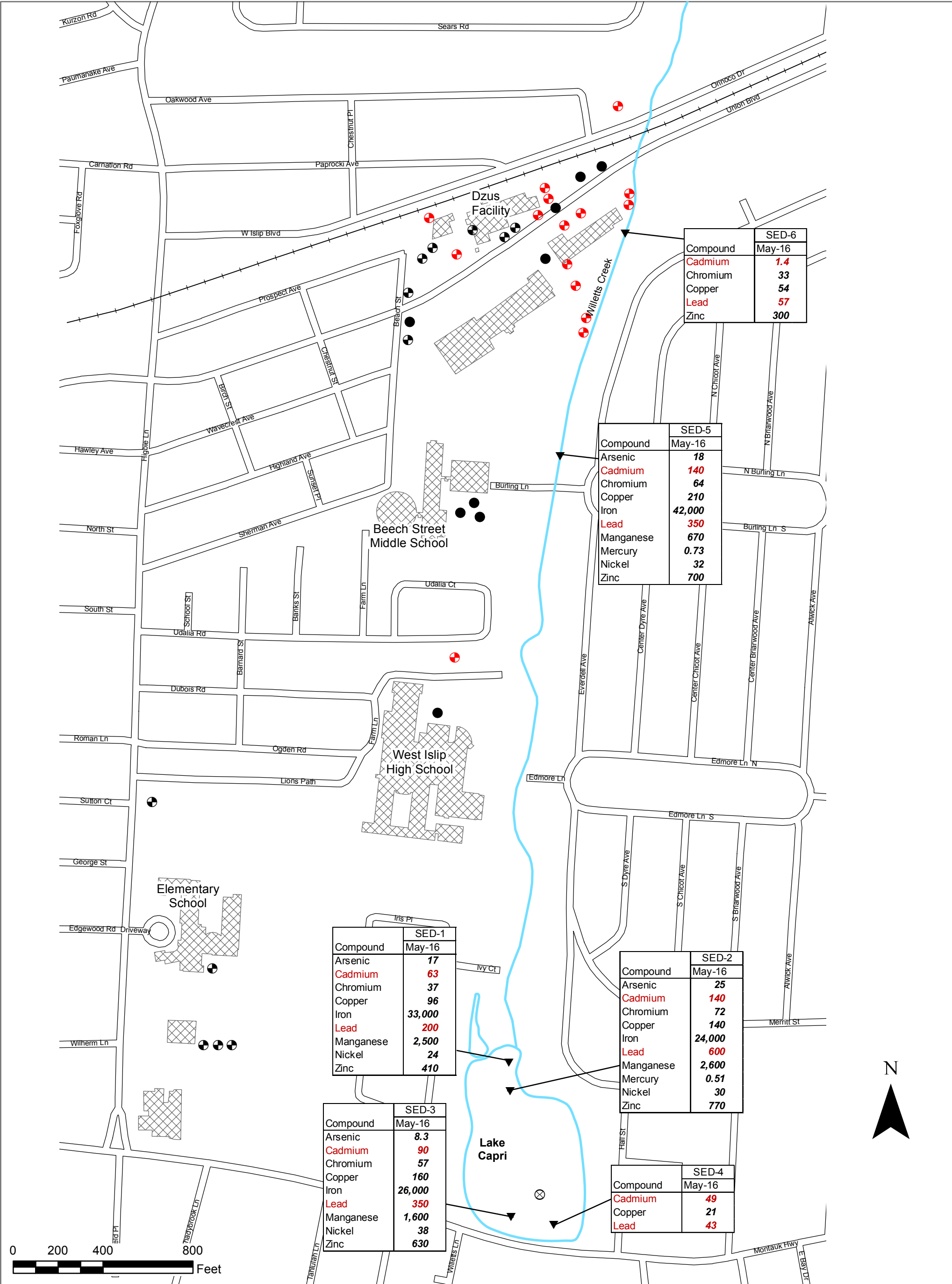
MULTI SITE G - Dzus Fasteners
SITE NO. 1-52-033

SUMMARY OF TAL METALS
IN SURFACE WATER
MAY 2016

DATE:
JULY 2016

SCALE:
1" = 400 feet

DRAWING NO.:
7



- Legend**
- EXISTING WELLS INCLUDED IN LTM
 - EXISTING MONITORING WELLS
 - MISSING MONITORING WELLS
 - SURFACE WATER AND SEDIMENT SAMPLE LOCATION

Notes:
All values in mg/kg
BOLD/Italics exceeds criterion
Contaminants of Concern

Compound	NYSDEC Sediment Criteria	
	Lowest Effect	Highest Effect
Arsenic	6.0	33
Cadmium	0.6	9
Chromium	26	110
Copper	16	110
Iron	20,000	20,000
Lead	31	110
Manganese	460	1,100
Mercury	0.15	1.3
Nickel	16	50
Zinc	120	270

Prepared by:
AECOM

SUBMITTED BY:
PK

DRAWN BY:
CF

APPROVED BY:
PK

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

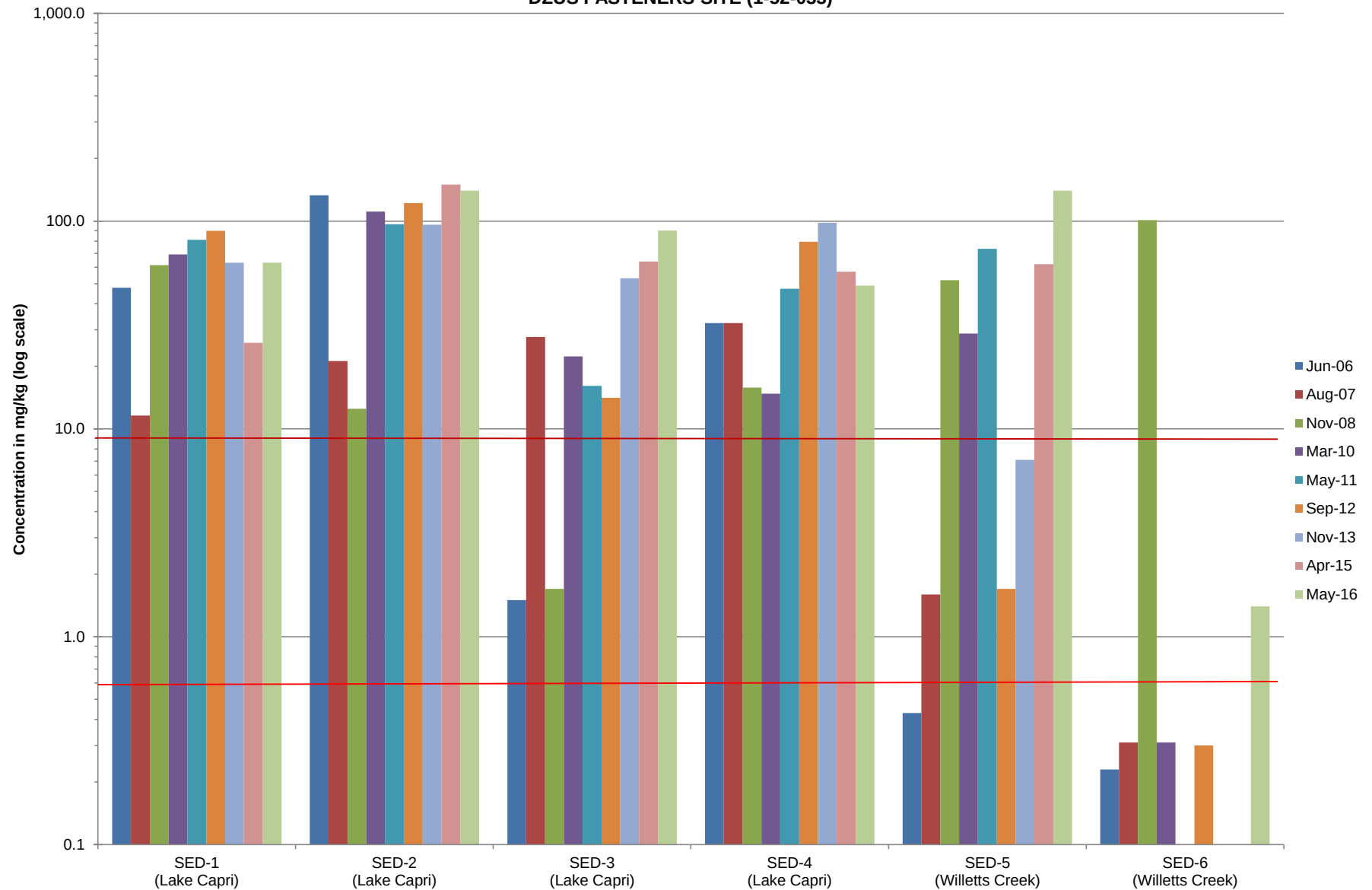
SUMMARY OF TAL METALS
IN SEDIMENT
MAY 2016

DATE:
JULY 2016

SCALE:
1" = 400 feet

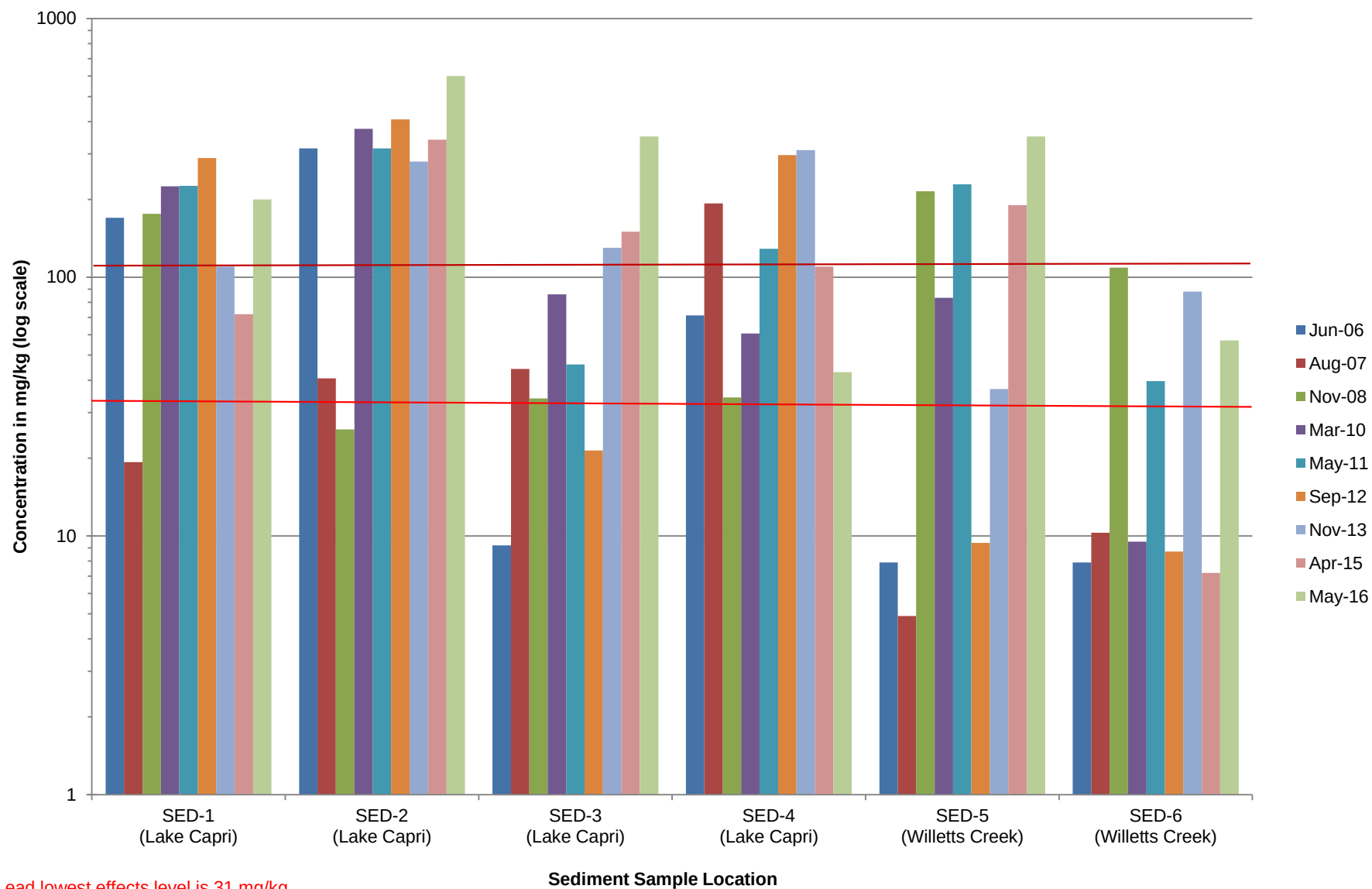
DRAWING NO.:
8

FIGURE 9
CADMIUM CONCENTRATIONS IN LAKE CAPRI AND WILLETTS CREEK SEDIMENT SAMPLES
DZUS FASTENERS SITE (1-52-033)



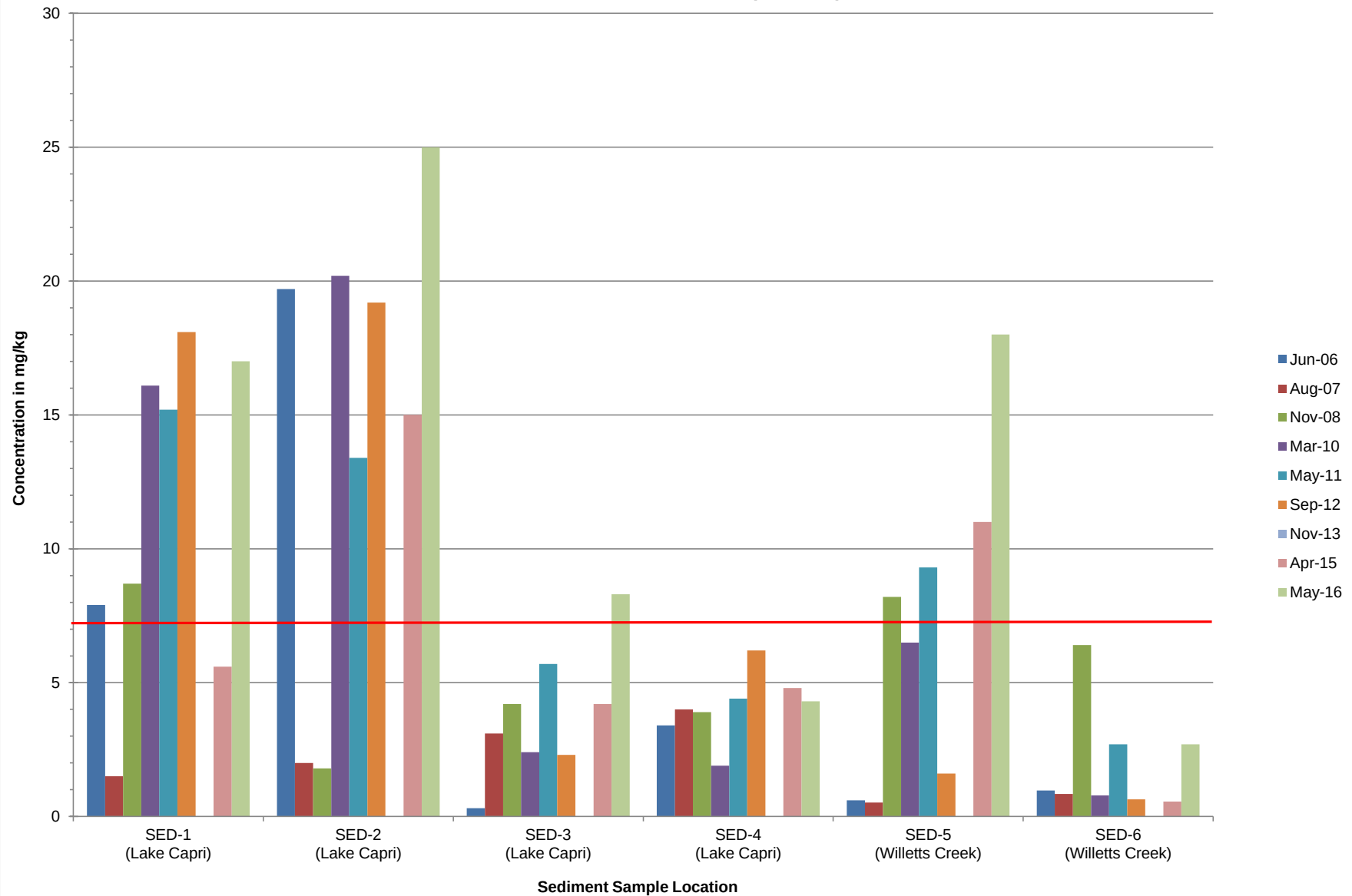
Cadmium Lowest effects level is 0.6 mg/kg
 Highest effects level is 9 mg/kg

FIGURE 10
LEAD CONCENTRATIONS IN LAKE CAPRI AND WILLETTS CREEK SEDIMENT SAMPLES
DZUS FASTENERS SITE (1-52-033)



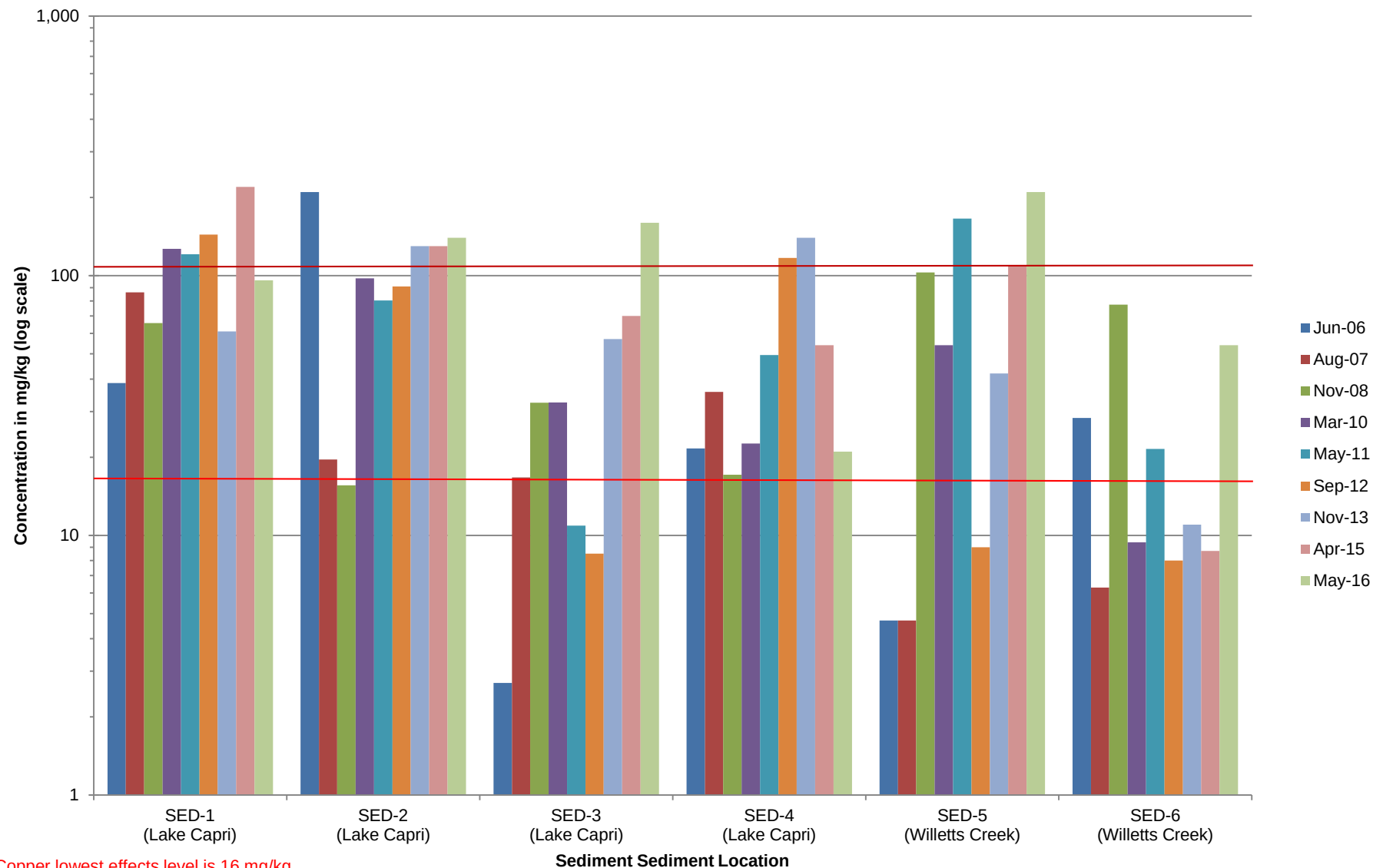
Lead lowest effects level is 31 mg/kg
Lead highest effects level is 110 mg/kg

FIGURE 11
ARSENIC CONCENTRATIONS IN LAKE CAPRI AND WILLETTS CREEK SEDIMENT SAMPLES
DZUS FASTENERS SITE (1-52-033)



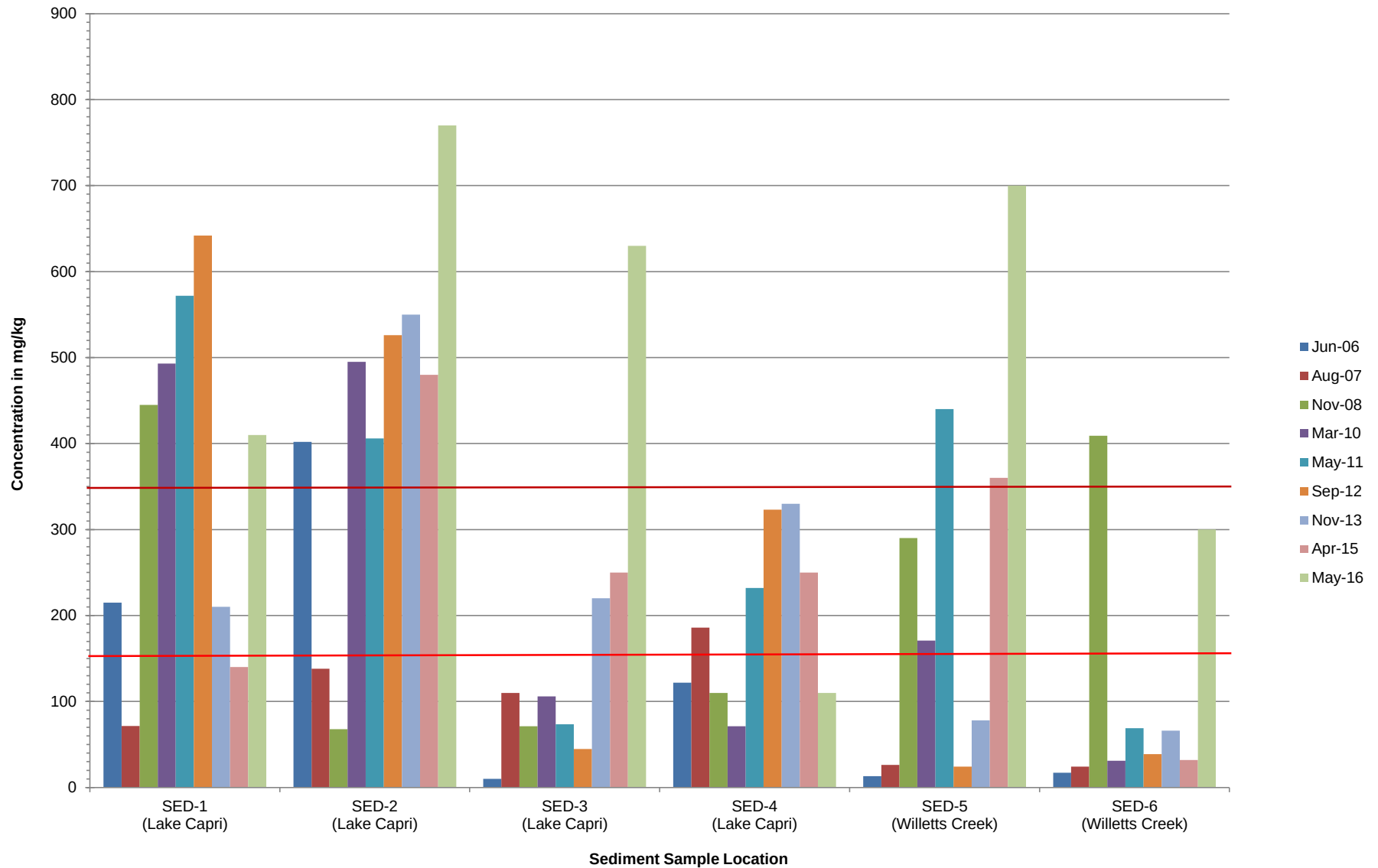
lowest effects level is 6 mg/kg
highest effects level is 33 mg/kg

FIGURE 12
COPPER CONCENTRATIONS IN LAKE CAPRI AND WILLETTS CREEK SEDIMENT SAMPLES
DZUS FASTENERS SITE (1-52-033)

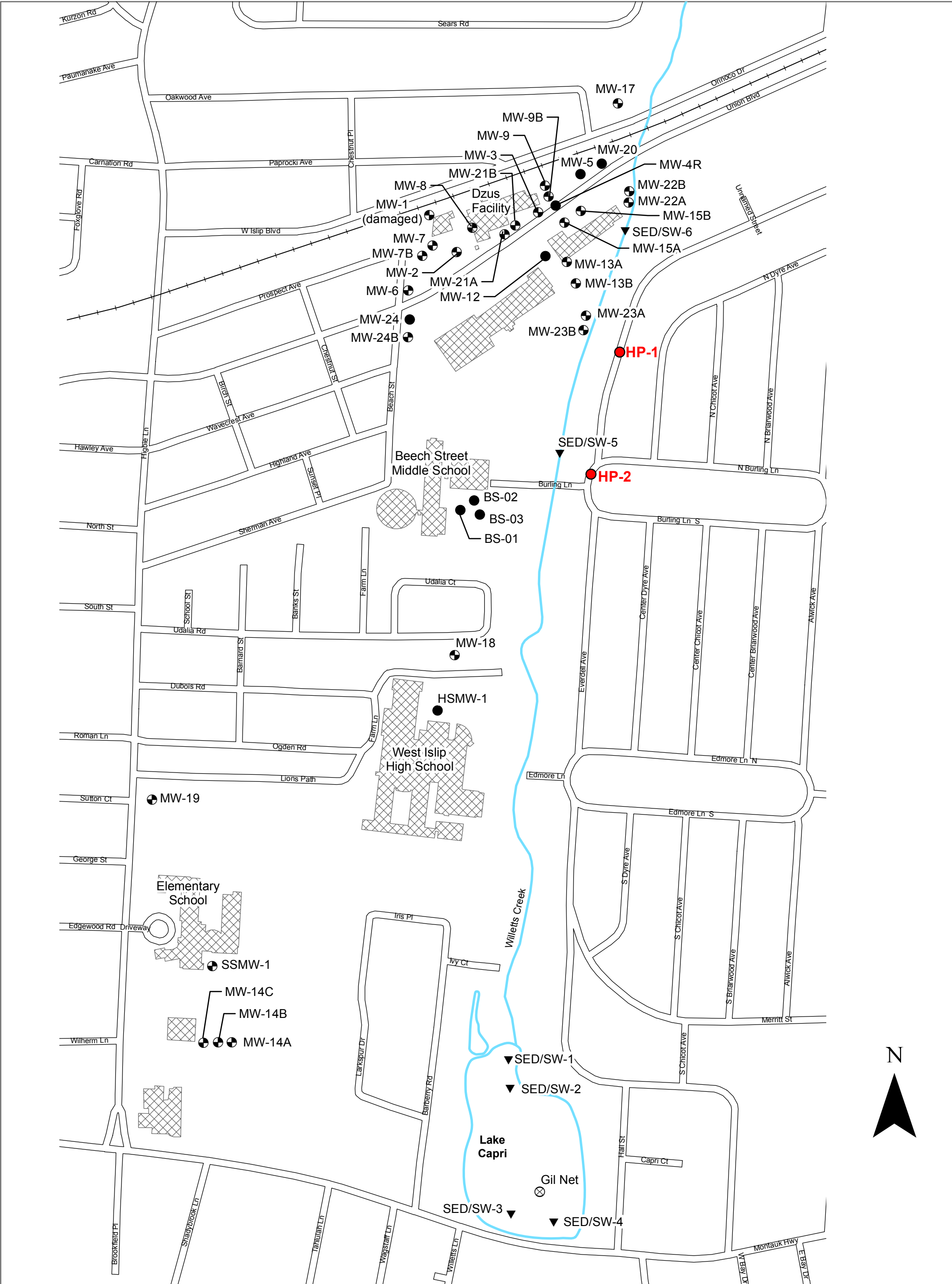


Copper lowest effects level is 16 mg/kg
 Copper highest effects level is 110 mg/kg

FIGURE 13
ZINC CONCENTRATIONS IN LAKE CAPRI AND WILLETTS CREEK SEDIMENT SAMPLES
DZUS FASTENERS SITE (1-52-033)

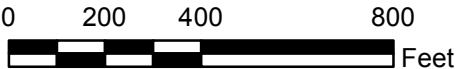


lowest effects level is 120 mg/kg
highest effects level is 270 mg/kg



Legend

- Proposed Boring Location
- EXISTING WELLS INCLUDED IN LTM
- EXISTING MONITORING WELLS
- MISSING MONITORING WELLS
- SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- GIL NET



Prepared by:				
SUBMITTED BY:		MULTI SITE G - Dzus Fasteners SITE NO. 1-52-033 PROPOSED GEOPROBE BORING LOCATIONS		
PK				
DRAWN BY:				
CF				
APPROVED BY:				
PK		DATE: SEPT 2015	SCALE: 1" = 400 feet	DRAWING NO.: 14

Appendix A

NYSDEC Monitoring Well Field Inspection Logs

SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1015

WELL ID.: MW-01

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 18.10

See Report

PDOP Reading from Trimble pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
	X
X	

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
	X
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

18.6

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

8.86

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

Good

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig. Overhear lines nearby

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located just off of the parking lot, north west of main building

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

located on-site, train tracks nearby

REMARKS:

Well was reinstalled within the last year. Survey reflects damaged well.

1/4" OD poly tubing left in well

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 0900

WELL ID.: MW-2

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 18.10

See Report

PDOP Reading from Trimble pathfinder:

Satelites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE?

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

14.3

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

8.51

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig. Located near the parking lot edge

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

well is in grassy area between parking lot and fence along union.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot and site

REMARKS:

1/4" OD poly tubing left in well. Concrete is all the way up above the PVC. Hard to keep dirt from

falling in when opening.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1140

WELL ID.: MW-3

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 18.02

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
	X
X	

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

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

N/A

SURFACE SEAL PRESENT?

YES	NO
X	
X	
X	

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

YES	NO
	X
	NA
	X
	X
X	

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

14.8

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

6.31

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig over front lawn

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In a grassy area on Dzus property along Union Blvd

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

Site and road

REMARKS:

1/4" OD poly tubing left in well.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1245

WELL ID.: MW-9

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.50 Longitude: 73° 18.02

See Report

PDOP Reading from Trimble pathfinder:

Satelites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE?

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
	X
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

12.0

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

5.24

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

pavement along east side of Dzus building

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

on-site, parking lot

REMARKS:

1/4" OD poly tubing left in well.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1245

WELL ID.: MW-9B

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 18.01

See Report

PDOP Reading from Trimble pathfinder:

Satelites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE?

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) Move back 30 ft

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

45

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

5.2

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

pavement along east side of Dzus building

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

on-site, parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1520

WELL ID.: MW-13A

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.44 Longitude: 73° 17.100

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On pavement (spray paint)

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

8

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

10.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

3.02

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In parking lot across the street from the site near liquor store.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot

REMARKS:

1/4" OD poly tubing left in well.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/12/16 1520

WELL ID.: MW-13B

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.43 Longitude: 73° 17.99

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On pavement (spray paint)

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

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

YES	NO
	X
	X
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

44.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

2.95

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In parking lot across the street from the site near liquor store.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolt needed, new seal needed, silted up inside.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/11/16 1320

WELL ID.: MW-15A

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.49 Longitude: 73° 17.97

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On pavement (spray paint)

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

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

YES	NO
	X
	X
	X

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

Cap is missing

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

28.6

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

5.77

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Asphalt parking lot in front of ACE hardware store toward Union Blvd.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot, mulch staged nearby

REMARKS:

1/4" OD poly tubing left in well.

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/11/16 1320

WELL ID.: MW-15B

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.50 Longitude: 73° 17.96

See Report

PDOP Reading from Trimble pathfinder:

Satelites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
X	
X	

WELL I.D. VISIBLE? On asphalt pavement (spray paint)

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

83.6

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

5.72

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Asphalt parking lot in front of ACE hardware store toward Union Blvd.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot, mulch staged nearby

REMARKS:

1/4" OD poly tubing left in well. Bolts needed.

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/11/16 1515

WELL ID.: MW-17

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: NM Longitude: NM

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
	X

WELL I.D. VISIBLE? On pavement (spray paint)

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

3

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
	X
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

16.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

7.68

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig over grass

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grassy area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

Creek and Road

REMARKS:

1/4" OD poly tubing left in well

creek was dry

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/11/16 1415

WELL ID.: MW-18

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 70.27 Longitude: 73° 30.14

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On pavement (spray paint)

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

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

X

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

YES	NO
X	
X	
X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

13.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

4.95

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig over grass

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

By bushes across from street light on grassy area in high school parking lot.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

none evident

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

Passable obstruction in well at 8.2 feet

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/13/16 1000

WELL ID.: MW-22A

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.491 Longitude: 73° 17.941

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE? On concrete pad (spray paint)

YES	NO
	X
X	

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

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

N/A

SURFACE SEAL PRESENT?

YES	NO
X	
X	
X	

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

YES	NO
X	
	X
	X
	X
X	

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

14.4

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

6.52

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig over grass

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In the grassy area around side of laundromat

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

creek and parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: **Dzus Fasteners**

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/13/16 1000

WELL ID.: MW-22 B

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.491 Longitude: 73° 17.941

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE? On concrete pad

YES	NO
	X
X	

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

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

N/A

SURFACE SEAL PRESENT?

YES	NO
X	
X	
X	

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

YES	NO
X	
	X
	X
	X
X	

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

44.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

6.54

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig over grass

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In the grassy area around side of laundromat

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

creek and parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/13/16 0830

WELL ID.: MW-23A

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.402 Longitude: 73° 17.991

See Report

PDOP Reading from Trimble pathfinder:

Satelites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On asphalt pavement (spray paint)

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

14.3

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

4.80

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

pavement behind building (currently liquor store)

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

MONITORING WELL INSPECTION LOG

SKETCH



SITE NAME: Dzus Fasteners

SITE ID.: 1-52-033

INSPECTOR: CF/RP

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 5/13/16 0830

WELL ID.: MW-23B

WELL VISIBLE? (If not, provide directions below)

YES	NO
X	

WELL COORDINATES? Latitude: 40° 42.403 Longitude: 73° 17.987

See Report

PDOP Reading from Trimble pathfinder:

Satellites:

GPS Method (circle) Trimble And/Or Magellan

YES	NO
	X
X	

WELL I.D. VISIBLE? On asphalt pavement (spray paint)

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

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

YES	NO
X	
X	
X	

SURFACE SEAL PRESENT?

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)

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

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE 2000

0.0 PID

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

Flushmount

PROTECTIVE CASING MATERIAL TYPE:

SS

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

6

LOCK PRESENT?

LOCK FUNCTIONAL?

DID YOU REPLACE THE LOCK?

IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)

WELL MEASURING POINT VISIBLE?

YES	NO
X	
	X
	X
	X
X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

44.5

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

4.71

MEASURE WELL DIAMETER (Inches):

2

WELL CASING MATERIAL:

PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING:

GOOD

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

-

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

-

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

Accessible by truck mounted rig

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.)

AND ASSESS THE TYPE OF RESTORATION REQUIRED.

pavement behind building (currently liquor store)

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

parking lot

REMARKS:

1/4" OD poly tubing left in well. New bolts needed

MONITORING WELL INSPECTION LOG

SKETCH



Appendix B

Monitoring Well Sampling Forms



WELL NO.

MW-1

[illegible]



WELL NO.

MW-2

[illegible]



WELL NO.

MW-3

[illegible]



WELL NO.

MW-9A

[illegible]



WELL NO.

MW-9B

[illegible]



WELL NO.

MW-13A

[illegible]



WELL NO.

MW-13B

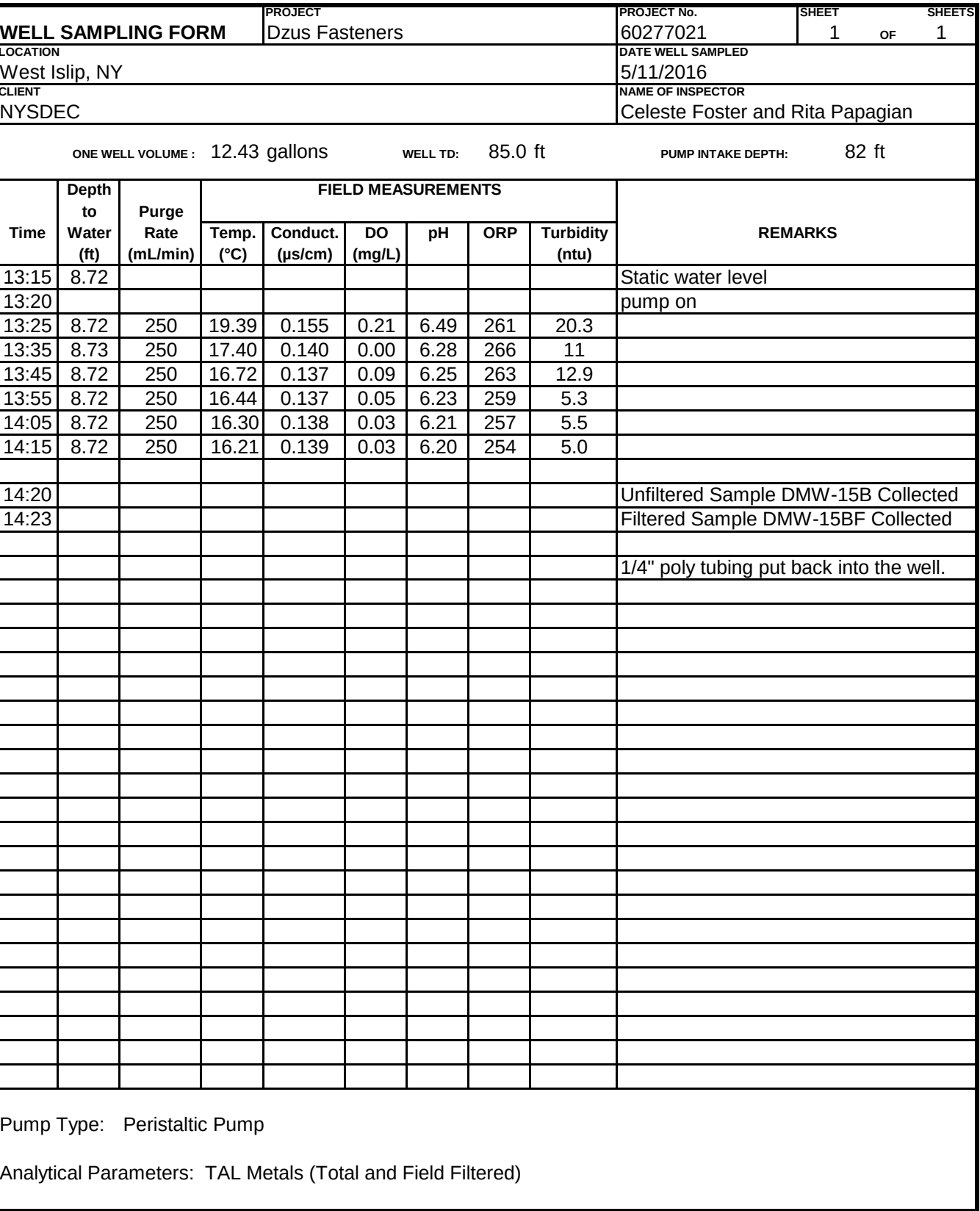
[illegible]



WELL NO.

MW-15A

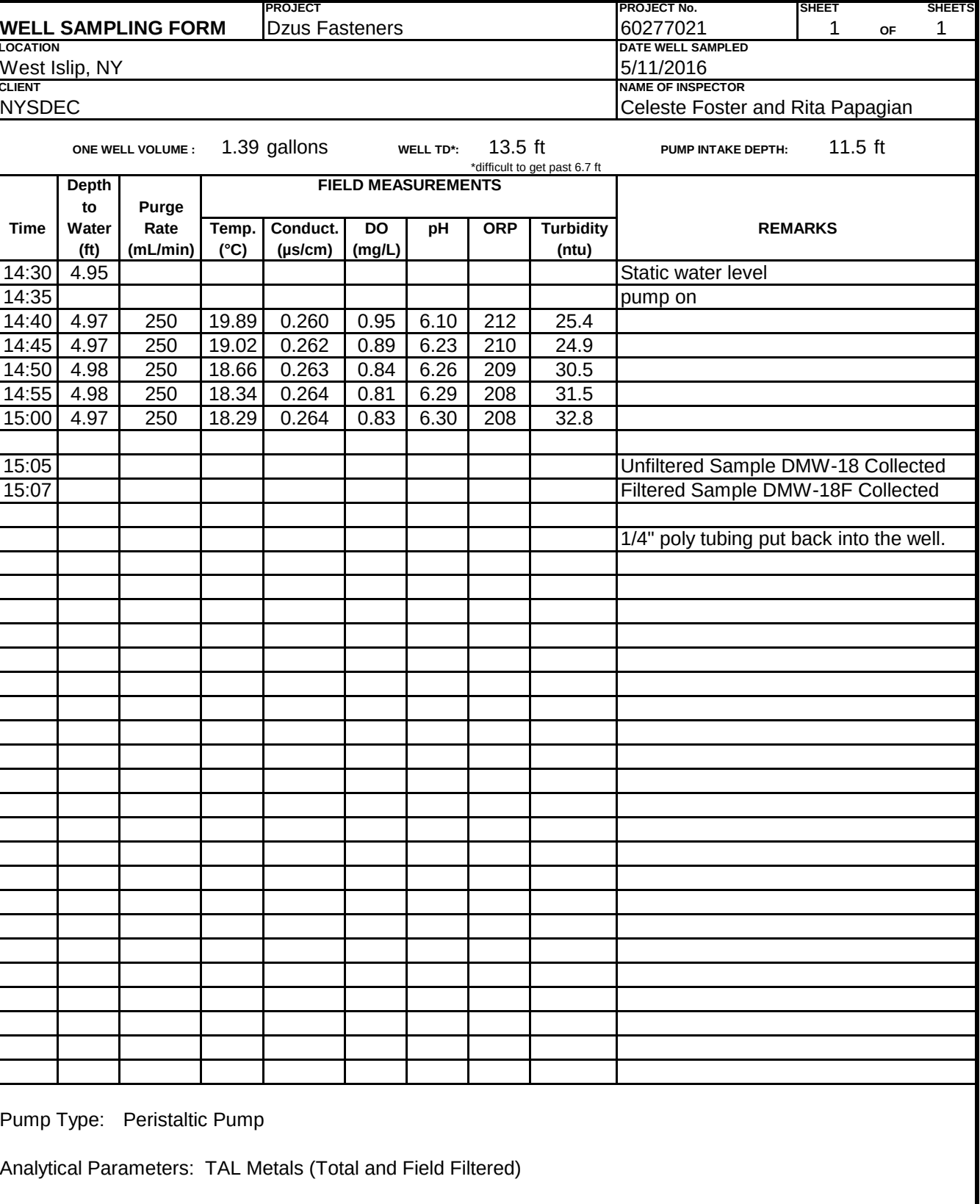
[illegible]





WELL NO. MW-17

[illegible]





WELL NO.

MW-22A

[illegible]



WELL NO.

MW-22B

[illegible]



WELL NO.

MW-23A

[illegible]



WELL NO.

MW-23B

[illegible]

Appendix C

Laboratory Data Packages

Project: Dzus Fasteners

Client PO: 60277021

Report To: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge, NY 10977

Attn: Paul Kareth

Received Date: 5/12/2016

Report Date: 5/26/2016

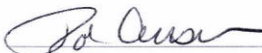
Deliverables: NYDOH-CatA

Lab ID: AC91318

Lab Project No: 6051229

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Hampton-Clarke to all parties shall not exceed Hampton-Clarke's total fee for analytical services rendered.


Robin Cousineau - Quality Assurance Director

OR

Jean Revolus - Laboratory Director

NJ (07071)
PA (68-00463)

NY (ELAP11408)
KY (90124)

CT (PH-0671)





**THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 107**

HC Case Narrative

Client: AECOM
Project: Dzus Fasteners

HC Project: 6051229

Hampton-Clarke (HC) received the following samples on 5/12/16:

Client ID	HC Sample ID	Matrix	Analysis
DMW-15A	AC91318-001	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-15AF	AC91318-002	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-15B	AC91318-003	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-15BF	AC91318-004	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-17	AC91318-005	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-17F	AC91318-006	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-18	AC91318-007	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-18F	AC91318-008	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-2	AC91318-009	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-2F	AC91318-010	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DFB-20160512	AC91318-011	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9A	AC91318-012	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9AF	AC91318-013	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9B	AC91318-014	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9B MS	AC91318-015	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9B MSD	AC91318-016	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9BF	AC91318-017	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9BF MS	AC91318-018	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-9BF MSD	AC91318-019	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-1	AC91318-020	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-1F	AC91318-021	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-3	AC91318-022	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-3F	AC91318-023	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-59	AC91318-024	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
DMW-59F	AC91318-025	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

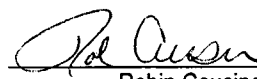
Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batch 52417 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 52417. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 52417 and 52418 are outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

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 has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

5/26/27/2016
Date



CHAIN OF CUSTODY
 RECORD

NE/LAC/INJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

A Women-Owned, Disadvantaged, Small Business Enterprise

3) Reporting Requirements (Please Circle)

1a) Customer: Address: 100 Red Schoolhouse Rd, B-1 Chestnut Ridge, NY	2a) Project: DEUS FASTER	1 Business Day (100%)*	Data Summary	HazMat/CSV
1b) Email/Cell/Fax/Ph: Paul.Kareth@aecom.com	2b) Project Mgr: PAUL KARETH	2 Business Days (75%)*	Results + QC (Waste)	EnviroData
1c) Send Invoice to: Paul.Kareth@aecom.com	2c) Project Location (City/State): WEST ISIP NY	3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
1d) Send Report to: Same as 4	2d) Quote/PO # (If Applicable): 60277021	4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
		5 Business Days (25%)*	Full Category B	Excel - PA Regulatory
		10 Business Days (Standard)	Category A	EQUS (specify below): E-Fluor/INYS/Reg. 2 or 5
		* Expedited TAT Not Always Available. Please Check with Lab.		

FOR LAB USE ONLY	Matrix Codes DW - Drinking Water S - Soil GW - Ground Water SL - Sludge WW - Waste Water OL - Oil OT - Other (please specify under item 9, Comments)	Check if Contingent		7) Analysis (specify methods & parameter lists)		Check if Contingent		9) Comments						
		Sample Type	Grab (G)	Composite (C)	Grab (G)	None	MeOH		En Core	NaOH	HCl	H2SO4	HNO3	Other:
Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	Time										
-01	DFB-20160512	FB	5/12/16	1000	X	X								
-012	DMW-9A	GW		905	X	X								
-013	DMW-9F			907	X	X								
-014	DMW-9B (M4/M5)			1000	X	X								
-015	DMW-9B (M4/M5)			1005	X	X								
-016	DMW-1			1120	X	X								
-017	DMW-1F			1123	X	X								
-018	DMW-3			1230	X	X								
-019	DMW-3F			1332	X	X								
-020	DMW-59			1003	X	X								

10) Relinquished by: [Signature] Accepted by: [Signature] Date: 5/12/16 Time: 2:05 PM

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):

BN or BNA (8270D SIM) ☐ NUDRP GWQS

VOC (8260C SIM or 8011) ☐ NUDRP SRS

SPLP (BN, BNA, Metals) ☐ NUDRP SPLP

Other (specify): ☐

Check if applicable:

Project-Specific Reporting Limits

High Contaminant Concentrations

NU LSRP Project (also check boxes above/right)

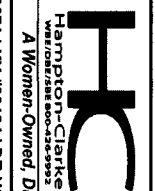
11) Sampler (print name): Celeste Foster Date: 5/12/16

Please note NUMBERED items. If not completed your analytical work may be delayed.

A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

Cooler Temperature 3.4/3.3

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056



**CHAIN OF CUSTODY
RECORD**

Turnaround		Report Type	Electronic Deliv.
When Available:		Data Summary	HAZSLR/CSV
1 Business Day (100%)*		Results + QC (Waste)	EnviroData
2 Business Days (75%)*		NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*		NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*		PA Reduced	Excel - PA Regulatory
5 Business Days (25%)*		Full / Category B	Excel - PA Regulatory
10 Business Days (Stand.)		Category A	Excel - PA Regulatory
Other: * Expedited TAT Not Always Available. Please Check with Lab.		Electronic (PDF)	EQUS (Specify below):
			4-File E2/NYS/Reg. 2 or 5

Customer Information		Project Information	
1a) Customer:	ATCm	2a) Project:	DEUS
Address:	Crestnut Ridge NY	2b) Project Mgr:	Paul Kanehl
1b) Email/Cell/Fax Ph:	Paul.kanehl@atcm.com	2c) Project Location (City/State):	West Islip NY
1c) Send Invoice to:	1/	2d) Quote/PO # (if Applicable):	60077004
1d) Send Report to:	1/		

FOR LAB USE ONLY		7) Analysis (specify methods & parameter lists)										8) # of Bottles										9) Comments				
USE ONLY		Matrix Codes										Sample Type		<=== Check if Contingent <===												
↓		DW - Drinking Water	S - Soil	A - Air								Composite (C)	Grab (G)													
		GW - Ground Water	SL - Sludge																							
Batch #		WW - Waste Water	OL - Oil																							
		OT - Other (please specify under item 9, Comments)																								
Ac91318																										
Lab Sample #		4) Customer Sample ID	5) Matrix	6) Sample																						
				Date	Time																					
in 2021		DMW-59F	GW	5/24	1028																					

PROJECT MODIFICATIONS

Client: AECOM-CRNY
Project: Dzus Fasteners

HC Project #:6051229

aruccatano192.168.1.97
5/13/2016 2:04:16 PM

Per Paul Kareth, reports should be NYDOH- CATA.

CONDITION UPON RECEIPT

Batch Number AC91318

Entered By: Frantz

Date Entered 5/12/2016 5:32:00 PM

-
- | | | |
|----|-------|--|
| 1 | Yes | Is there a corresponding COC included with the samples? |
| 2 | Yes | Are the samples in a container such as a cooler or ice chest? |
| 3 | Yes | Are the COC seals intact? |
| 4 | T0054 | <--- Thermometer ID. Please specify the Temperature inside the container (in degC).
3.3,3.4 |
| 5 | Yes | Are the samples refrigerated (where required)/have they arrived on ice? |
| 6 | Yes | Are the samples within the holding times for the parameters listed on the COC? If no, list parameters and samples: |
| 7 | Yes | Are all of the sample bottles intact? If no, specify sample numbers broken/leaking |
| 8 | Yes | Are all of the sample labels or numbers legible? If no specify: |
| 9 | Yes | Do the contents match the COC? If no, specify |
| 10 | Yes | Is there enough sample sent for the analyses listed on the COC? If no, specify: |
| 11 | Yes | Are samples preserved correctly? |
| 12 | Yes | Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? |
| 13 | NA | Other comments ...Specify |
| 14 | NA | Corrective actions (Specify item number and corrective action taken). |

PRESERVATION DOCUMENT

Batch Number AC91318

Entered By: Frantz

Date Entered 5/12/2016 5:32:00 PM

Lab#:	Container/Vial		Parameter	Preservative	Preservative	PH	pH
	Container Size	Check			Lot#		Lot#
AC91318-001	1L	P	METALS	HNO3	117003	1	H577678
AC91318-002	1L	P	METALS	HNO3	117003	1	H577678
AC91318-003	1L	P	METALS	HNO3	117003	1	H577678
AC91318-004	1L	P	METALS	HNO3	117003	1	H577678
AC91318-005	1L	P	METALS	HNO3	117003	1	H577678
AC91318-006	1L	P	METALS	HNO3	117003	1	H577678
AC91318-007	1L	P	METALS	HNO3	117003	1	H577678
AC91318-008	1L	P	METALS	HNO3	117003	1	H577678
AC91318-009	1L	P	METALS	HNO3	117003	1	H577678
AC91318-010	1L	P	METALS	HNO3	117003	1	H577678
AC91318-011	1L	P	METALS	HNO3	117003	1	H577678
AC91318-012	1L	P	METALS	HNO3	117003	1	H577678
AC91318-013	1L	P	METALS	HNO3	117003	1	H577678
AC91318-014	1L	P	METALS	HNO3	117003	1	H577678
AC91318-015	1L	P	METALS	HNO3	117003	1	H577678
AC91318-016	1L	P	METALS	HNO3	117003	1	H577678
AC91318-017	1L	P	METALS	HNO3	117003	1	H577678
AC91318-018	1L	P	METALS	HNO3	117003	1	H577678
AC91318-019	1L	P	METALS	HNO3	117003	1	H577678
AC91318-020	1L	P	METALS	HNO3	117003	1	H577678
AC91318-021	1L	P	METALS	HNO3	117003	1	H577678
AC91318-022	1L	P	METALS	HNO3	117003	1	H577678
AC91318-023	1L	P	METALS	HNO3	117003	1	H577678
AC91318-024	1L	P	METALS	HNO3	117003	1	H577678
AC91318-025	1L	P	METALS	HNO3	117003	1	H577678

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis
AC91318-001	05/12/16 16:58	FRANT0	0	M	Received	AC91318-020	05/12/16 16:58	FRANT0	0	M	Received
AC91318-001	05/12/16 17:30	FRANT0	0	M	Login	AC91318-020	05/12/16 17:30	FRANT0	0	M	Login
AC91318-001	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-020	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-001	05/18/16 10:00	R12	1	A	NONE	AC91318-020	05/17/16 04:49	SP	1	A	r12
AC91318-002	05/12/16 16:58	FRANT0	0	M	Received	AC91318-021	05/12/16 16:58	FRANT0	0	M	Received
AC91318-002	05/12/16 17:30	FRANT0	0	M	Login	AC91318-021	05/12/16 17:30	FRANT0	0	M	Login
AC91318-002	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-021	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-002	05/18/16 10:00	R12	1	A	NONE	AC91318-021	05/17/16 04:49	SP	1	A	r12
AC91318-003	05/12/16 16:58	FRANT0	0	M	Received	AC91318-022	05/12/16 16:58	FRANT0	0	M	Received
AC91318-003	05/12/16 17:30	FRANT0	0	M	Login	AC91318-022	05/12/16 17:30	FRANT0	0	M	Login
AC91318-003	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-022	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-003	05/18/16 10:00	R12	1	A	NONE	AC91318-022	05/17/16 04:49	SP	1	A	r12
AC91318-004	05/12/16 16:58	FRANT0	0	M	Received	AC91318-023	05/12/16 16:58	FRANT0	0	M	Received
AC91318-004	05/12/16 17:30	FRANT0	0	M	Login	AC91318-023	05/12/16 17:30	FRANT0	0	M	Login
AC91318-004	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-023	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-004	05/18/16 10:00	R12	1	A	NONE	AC91318-023	05/17/16 04:49	SP	1	A	r12
AC91318-005	05/12/16 16:58	FRANT0	0	M	Received	AC91318-024	05/12/16 16:58	FRANT0	0	M	Received
AC91318-005	05/12/16 17:30	FRANT0	0	M	Login	AC91318-024	05/12/16 17:30	FRANT0	0	M	Login
AC91318-005	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-024	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-005	05/18/16 10:00	R12	1	A	NONE	AC91318-024	05/17/16 04:49	SP	1	A	r12
AC91318-006	05/12/16 16:58	FRANT0	0	M	Received	AC91318-025	05/12/16 16:58	FRANT0	0	M	Received
AC91318-006	05/12/16 17:30	FRANT0	0	M	Login	AC91318-025	05/12/16 17:30	FRANT0	0	M	Login
AC91318-006	05/18/16 09:58	AM	1	A	TDWI/HG	AC91318-025	05/17/16 04:47	SP	1	A	tdwi-hg
AC91318-006	05/18/16 10:00	R12	1	A	NONE	AC91318-025	05/17/16 04:49	SP	1	A	r12
AC91318-007	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-007	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-007	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-007	05/18/16 10:00	R12	1	A	NONE						
AC91318-008	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-008	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-008	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-008	05/18/16 10:00	R12	1	A	NONE						
AC91318-009	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-009	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-009	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-009	05/18/16 10:00	R12	1	A	NONE						
AC91318-010	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-010	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-010	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-010	05/18/16 10:00	R12	1	A	NONE						
AC91318-011	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-011	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-011	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-011	05/18/16 10:00	R12	1	A	NONE						
AC91318-012	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-012	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-012	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-012	05/18/16 10:00	R12	1	A	NONE						
AC91318-013	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-013	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-013	05/18/16 09:58	AM	3	A	TDWI/HG						
AC91318-013	05/18/16 10:00	R12	3	A	NONE						
AC91318-014	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-014	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-014	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-014	05/18/16 10:00	R12	1	A	NONE						
AC91318-015	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-015	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-015	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-015	05/18/16 10:00	R12	1	A	NONE						
AC91318-016	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-016	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-016	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91318-016	05/18/16 10:00	R12	1	A	NONE						
AC91318-017	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-017	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-017	05/17/16 04:47	SP	2	A	tdwi-hg						
AC91318-017	05/17/16 04:49	SP	2	A	r12						
AC91318-018	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-018	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-018	05/17/16 04:47	SP	1	A	tdwi-hg						
AC91318-019	05/12/16 16:58	FRANT0	0	M	Received						
AC91318-019	05/12/16 17:30	FRANT0	0	M	Login						
AC91318-019	05/17/16 04:47	SP	1	A	tdwi-hg						
AC91318-019	05/17/16 04:49	SP	1	A	r12						

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Laboratory Chronicle

6051229 0009

Client: AECOM

HC Project #: 6051229

Project: Dzus Fasteners

Lab#: AC91318-001

Sample ID: DMW-15A

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:42	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:21	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:02	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:37	PC

Lab#: AC91318-002

Sample ID: DMW-15AF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:43	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:25	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:05	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:41	PC

Lab#: AC91318-003

Sample ID: DMW-15B

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:45	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:28	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:08	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:45	PC

Lab#: AC91318-004

Sample ID: DMW-15BF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:49	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:11	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:32	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:49	PC

Laboratory Chronicle

6051229 0010

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051229

Lab#: AC91318-005

Sample ID: DMW-17

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:51	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:35	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:15	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:54	PC

Lab#: AC91318-006

Sample ID: DMW-17F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:52	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 18:39	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:18	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:58	PC

Lab#: AC91318-007

Sample ID: DMW-18

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:53	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:38	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:05	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:02	PC

Lab#: AC91318-008

Sample ID: DMW-18F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:55	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:08	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:41	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:06	PC

Laboratory Chronicle

6051229 0011

Client: AECOM

HC Project #: 6051229

Project: Dzus Fasteners

Lab#: AC91318-009

Sample ID: DMW-2

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:56	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:12	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:44	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:27	PC

Lab#: AC91318-010

Sample ID: DMW-2F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:58	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:15	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:48	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:31	PC

Lab#: AC91318-011

Sample ID: DFB-20160512

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:59	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:19	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:51	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:36	PC

Lab#: AC91318-012

Sample ID: DMW-9A

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 14:00	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:22	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:54	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:40	PC

Laboratory Chronicle

6051229 0012

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051229

Lab#: AC91318-013

Sample ID: DMW-9AF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 14:02	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 21:58	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 19:26	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 14:44	PC

Lab#: AC91318-014

Sample ID: DMW-9B

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:36	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 17:45	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 20:34	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 12:51	PC

Lab#: AC91318-015

Sample ID: DMW-9B MS

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:38	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 17:52	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 20:41	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:04	PC

Lab#: AC91318-016

Sample ID: DMW-9B MSD

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/23/16 13:40	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 17:57	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/19/16 20:43	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 13:08	PC

Laboratory Chronicle

6051229 0013

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051229

Lab#: AC91318-017

Sample ID: DMW-9BF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:20	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 16:39	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 19:52	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 03:19	PC

Lab#: AC91318-018

Sample ID: DMW-9BF MS

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:23	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 16:46	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 19:58	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 03:37	PC

Lab#: AC91318-019

Sample ID: DMW-9BF MSD

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:25	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:01	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 16:51	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 03:43	PC

Lab#: AC91318-020

Sample ID: DMW-1

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:27	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:15	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:19	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:19	PC

Laboratory Chronicle

6051229 0014

Client: AECOM

HC Project #: 6051229

Project: Dzus Fasteners

Lab#: AC91318-021

Sample ID: DMW-1F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:28	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:18	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:22	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:25	PC

Lab#: AC91318-022

Sample ID: DMW-3

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:33	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:25	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:21	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:31	PC

Lab#: AC91318-023

Sample ID: DMW-3F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:35	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:25	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:29	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:37	PC

Lab#: AC91318-024

Sample ID: DMW-59

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:36	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:28	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:32	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:43	PC

Laboratory Chronicle

6051229 0015

Client: AECOM

HC Project #: 6051229

Project: Dzus Fasteners

Lab#: AC91318-025

Sample ID: DMW-59F

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/17/16	snezana	EPA 7470A	5/23/16 13:38	CJA
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 17:32	SRB
TAL Metals 6010	3005&10/3050	05/17/16	snezana	EPA 6010C	5/18/16 20:35	SRB
TAL Metals 6020	3005&10/3050	05/17/16	snezana	EPA 6020A	5/18/16 04:49	PC

HC Report of Analysis

Client: AECOM

HC Project #: 6051229

Project: Dzus Fasteners

Sample ID: DMW-15A
 Lab#: AC91318-001
 Matrix: Aqueous

Collection Date: 5/11/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	290
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	13000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	360
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	140
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	25000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	11
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	3.2
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-15AF
 Lab#: AC91318-002
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	12000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	25000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	4.8
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-15B
 Lab#: AC91318-003
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	7200
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	720
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	20000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	61

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	3.8
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-15BF
 Lab#: AC91318-004
 Matrix: Aqueous

Collection Date: 5/11/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	8000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	710
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	19000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	4.1
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-17
 Lab#: AC91318-005
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	990
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	31000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1900
Magnesium	1	ug/l	5000	9800
Manganese	1	ug/l	40	490
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	12000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	2.1
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	7.2
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-17F
 Lab#: AC91318-006
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	31000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	9700
Manganese	1	ug/l	40	52
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	11000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-18
 Lab#: AC91318-007
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	37000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	160
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	60000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-18F
 Lab#: AC91318-008
 Matrix: Aqueous

Collection Date: 5/11/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	37000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	61000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-2
 Lab#: AC91318-009
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	18000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	6100
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	200
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	35000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	5.0
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-2F
 Lab#: AC91318-010
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	23000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	7400
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	240
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	38000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	2.0
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	5.8
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DFB-20160512

Lab#: AC91318-011

Matrix: Aqueous

Collection Date: 5/12/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	ND
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	ND
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-9A
 Lab#: AC91318-012
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	430
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	15000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1200
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	39000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	3.0
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-9AF
 Lab#: AC91318-013
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	40000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-9B
 Lab#: AC91318-014
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	14000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-9B MS
 Lab#: AC91318-015
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	11

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	5700
Barium	1	ug/l	50	590
Calcium	1	ug/l	5000	71000
Chromium	1	ug/l	50	570
Copper	1	ug/l	50	570
Iron	1	ug/l	300	5700
Magnesium	1	ug/l	5000	58000
Manganese	1	ug/l	40	580
Nickel	1	ug/l	50	560
Potassium	1	ug/l	5000	56000
Silver	1	ug/l	20	110
Sodium	1	ug/l	5000	71000
Vanadium	1	ug/l	50	570
Zinc	1	ug/l	50	570

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	540
Arsenic	1	ug/l	2.0	550
Beryllium	1	ug/l	1.0	580
Cadmium	1	ug/l	2.0	530
Cobalt	1	ug/l	2.0	540
Lead	1	ug/l	3.0	530
Selenium	1	ug/l	10	550
Thallium	1	ug/l	2.0	530

Sample ID: DMW-9B MSD

Lab#: AC91318-016

Matrix: Aqueous

Collection Date: 5/12/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	11

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	5800
Barium	1	ug/l	50	600
Calcium	1	ug/l	5000	71000
Chromium	1	ug/l	50	570
Copper	1	ug/l	50	580
Iron	1	ug/l	300	5800
Magnesium	1	ug/l	5000	59000
Manganese	1	ug/l	40	580
Nickel	1	ug/l	50	570
Potassium	1	ug/l	5000	56000
Silver	1	ug/l	20	110
Sodium	1	ug/l	5000	70000
Vanadium	1	ug/l	50	570
Zinc	1	ug/l	50	580

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	580
Arsenic	1	ug/l	2.0	670
Beryllium	1	ug/l	1.0	620
Cadmium	1	ug/l	2.0	570
Cobalt	1	ug/l	2.0	670
Lead	1	ug/l	3.0	560
Selenium	1	ug/l	10	670
Thallium	1	ug/l	2.0	570

Sample ID: DMW-9BF
 Lab#: AC91318-017
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	15000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-9BF MS

Lab#: AC91318-018

Matrix: Aqueous

Collection Date: 5/12/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	9.7

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	4900
Barium	1	ug/l	50	520
Calcium	1	ug/l	5000	64000
Chromium	1	ug/l	50	490
Copper	1	ug/l	50	500
Iron	1	ug/l	300	5000
Magnesium	1	ug/l	5000	52000
Manganese	1	ug/l	40	500
Nickel	1	ug/l	50	490
Potassium	1	ug/l	5000	50000
Silver	1	ug/l	20	96
Sodium	1	ug/l	5000	63000
Vanadium	1	ug/l	50	490
Zinc	1	ug/l	50	490

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	510
Arsenic	1	ug/l	2.0	520
Beryllium	1	ug/l	1.0	530
Cadmium	1	ug/l	2.0	510
Cobalt	1	ug/l	2.0	490
Lead	1	ug/l	3.0	490
Selenium	1	ug/l	10	510
Thallium	1	ug/l	2.0	520

Sample ID: DMW-9BF MSD

Lab#: AC91318-019

Matrix: Aqueous

Collection Date: 5/12/2016

Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	9.7

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	4800
Barium	1	ug/l	50	510
Calcium	1	ug/l	5000	62000
Chromium	1	ug/l	50	480
Copper	1	ug/l	50	490
Iron	1	ug/l	300	4900
Magnesium	1	ug/l	5000	50000
Manganese	1	ug/l	40	490
Nickel	1	ug/l	50	480
Potassium	1	ug/l	5000	49000
Silver	1	ug/l	20	94
Sodium	1	ug/l	5000	62000
Vanadium	1	ug/l	50	480
Zinc	1	ug/l	50	480

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	510
Arsenic	1	ug/l	2.0	540
Beryllium	1	ug/l	1.0	540
Cadmium	1	ug/l	2.0	510
Cobalt	1	ug/l	2.0	500
Lead	1	ug/l	3.0	510
Selenium	1	ug/l	10	520
Thallium	1	ug/l	2.0	520

Sample ID: DMW-1
 Lab#: AC91318-020
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	210
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	12000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	340
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	29000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-1F
 Lab#: AC91318-021
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	12000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	30000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-3
 Lab#: AC91318-022
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	220
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	9200
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	980
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	40
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	20000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	11
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-3F
 Lab#: AC91318-023
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	9000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	20000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	9.4
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-59
 Lab#: AC91318-024
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	13000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-59F
 Lab#: AC91318-025
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/12/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	12000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	12000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52417
 Client Id: MB 52417
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	16	MSMS3_7700SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52417 (1)
 Client Id: MB 52417 (1)
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417 H19377SW		11	CV	HGCV1A
7439-98-7	Molybdenum	20	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417SW19377B2		11	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	05/19/16	52417SW19377B2		11	P	PEICPRAD2A
7440-31-5	Tin	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417SW19377A2		15	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52418
 Client Id: MB 52418
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	17	MSMS2_7500SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52418 (1)
 Client Id: MB 52418 (1)
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc.	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418H19378SW		11	CV	HGCV2A
7439-98-7	Molybdenum	20	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418SW19378B2		11	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	05/18/16	52418SW19378B2		11	P	PEICPRAD2A
7440-31-5	Tin	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418SW19378A2		15	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-001
 Client Id: DMW-15A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	290	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-70-2	Calcium	5000	13000	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7439-89-6	Iron	300	360	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7439-96-5	Manganese	40	140	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW		18	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417-W19377B2		23	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-23-5	Sodium	5000	25000	1	50	50	05/19/16	52417-W19377B2		23	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417-W19377A2		27	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-001
 Client Id: DMW-15A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	11	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7439-92-1	Lead	3.0	3.2	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		30	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-002
 Client Id: DMW-15AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-70-2	Calcium	5000	12000	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	19	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	24	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-23-5	Sodium	5000	25000	1	50	50	05/19/16	52417	W19377B2	24	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	28	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-002
 Client Id: DMW-15AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	4.8	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		31	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-003
 Client Id: DMW-15B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-70-2	Calcium	5000	7200	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7439-89-6	Iron	300	720	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW	20	CV		HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417-W19377B2	25	P		PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-23-5	Sodium	5000	20000	1	50	50	05/19/16	52417-W19377B2	25	P		PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A
7440-66-6	Zinc	50	61	1	50	50	05/19/16	52417-W19377A2	29	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-003
 Client Id: DMW-15B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7440-48-4	Cobalt	2.0	3.8	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	52417	1916ANEW	32	MS	MS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-004
 Client Id: DMW-15BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-70-2	Calcium	5000	8000	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7439-89-6	Iron	300	710	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW	23	CV		HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417W19377B2	26	P		PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-23-5	Sodium	5000	19000	1	50	50	05/19/16	52417W19377B2	26	P		PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417W19377A2	30	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-004
 Client Id: DMW-15BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	4.1	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		33	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-005
 Client Id: DMW-17
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	990	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-70-2	Calcium	5000	31000	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7439-89-6	Iron	300	1900	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7439-95-4	Magnesium	5000	9800	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7439-96-5	Manganese	40	490	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW	24	CV		HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417:W19377B2	27	P		PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-23-5	Sodium	5000	12000	1	50	50	05/19/16	52417:W19377B2	27	P		PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417:W19377A2	31	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-005
 Client Id: DMW-17
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7440-38-2	Arsenic	2.0	2.1	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7439-92-1	Lead	3.0	7.2	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	34	MSMS3_7700	SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-006
 Client Id: DMW-17F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-70-2	Calcium	5000	31000	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7439-95-4	Magnesium	5000	9700	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7439-96-5	Manganese	40	52	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	25	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	28	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-23-5	Sodium	5000	11000	1	50	50	05/19/16	52417	W19377B2	28	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	32	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-006
 Client Id: DMW-17F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	35	MSMS3_7700	SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-007
 Client Id: DMW-18
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-70-2	Calcium	5000	37000	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7439-96-5	Manganese	40	160	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	26	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	34	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-23-5	Sodium	5000	60000	1	50	50	05/19/16	52417	W19377B2	34	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	38	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-007
 Client Id: DMW-18
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		36		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-008
 Client Id: DMW-18F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-70-2	Calcium	5000	37000	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	27	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	35	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-23-5	Sodium	5000	61000	1	50	50	05/19/16	52417	W19377B2	35	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	39	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-008
 Client Id: DMW-18F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	37	MSMS3_7700	SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-009
 Client Id: DMW-2
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-70-2	Calcium	5000	18000	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7439-89-6	Iron	300	6100	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7439-96-5	Manganese	40	200	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW		28	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417:W19377B2		36	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-23-5	Sodium	5000	35000	1	50	50	05/19/16	52417:W19377B2		36	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417:W19377A2		40	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-009
 Client Id: DMW-2
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	5.0	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		42	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-010
 Client Id: DMW-2F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-70-2	Calcium	5000	23000	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7439-89-6	Iron	300	7400	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7439-96-5	Manganese	40	240	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	29	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	37	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-23-5	Sodium	5000	38000	1	50	50	05/19/16	52417	W19377B2	37	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	41	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-010
 Client Id: DMW-2F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	2.0	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	5.8	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		43		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-011
 Client Id: DFB-20160512
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW	30	CV		HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417:W19377B2	38	P		PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	05/19/16	52417:W19377B2	38	P		PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417:W19377A2	42	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-011
 Client Id: DFB-20160512
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW		44	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-012
 Client Id: DMW-9A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	430	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-70-2	Calcium	5000	15000	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7439-89-6	Iron	300	1200	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417	H19377SW	31	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417	W19377B2	39	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-23-5	Sodium	5000	39000	1	50	50	05/19/16	52417	W19377B2	39	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417	W19377A2	43	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-012
 Client Id: DMW-9A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	3.0	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916	ANEW	45	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-013
 Client Id: DMW-9AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417-H19377SW		32	CV	HGCV1A
7440-02-0	Nickel	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/19/16	52417-W19377B2		40	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-23-5	Sodium	5000	40000	1	50	50	05/19/16	52417-W19377B2		40	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/19/16	52417-W19377A2		44	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-013
 Client Id: DMW-9AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524171916ANEW	46	MSMS3_7700SWA		

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-014
 Client Id: DMW-9B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-39-3	Barium	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-70-2	Calcium	5000	14000	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-47-3	Chromium	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-50-8	Copper	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7439-89-6	Iron	300	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7439-95-4	Magnesium	5000	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7439-96-5	Manganese	40	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52417H19377SW	14	CV		HGCV1A
7440-02-0	Nickel	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-09-7	Potassium	5000	ND	1	100	100	05/19/16	52417:W19377B2	14	P		PEICPRAD2A
7440-22-4	Silver	20	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-23-5	Sodium	5000	14000	1	100	100	05/19/16	52417:W19377B2	14	P		PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A
7440-66-6	Zinc	50	ND	1	100	100	05/19/16	52417:W19377A2	18	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-014
 Client Id: DMW-9B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	100	200	05/19/16	524171916ANEW		19		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-015
 Client Id: DMW-9B MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	5700	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-39-3	Barium	50	590	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-70-2	Calcium	5000	71000	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-47-3	Chromium	50	570	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-50-8	Copper	50	570	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7439-89-6	Iron	300	5700	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7439-95-4	Magnesium	5000	58000	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7439-96-5	Manganese	40	580	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7439-97-6	Mercury	0.70	11	1	25	25	05/23/16	52417	H19377SW	16	CV	HGCV1A
7440-02-0	Nickel	50	560	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-09-7	Potassium	5000	56000	1	50	50	05/19/16	52417	W19377B2	16	P	PEICPRAD2A
7440-22-4	Silver	20	110	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-23-5	Sodium	5000	71000	1	50	50	05/19/16	52417	W19377B2	16	P	PEICPRAD2A
7440-62-2	Vanadium	50	570	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A
7440-66-6	Zinc	50	570	1	50	50	05/19/16	52417	W19377A2	20	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-015
 Client Id: DMW-9B MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	540	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7440-38-2	Arsenic	2.0	550	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7440-41-7	Beryllium	1.0	580	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7440-43-9	Cadmium	2.0	530	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7440-48-4	Cobalt	2.0	540	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7439-92-1	Lead	3.0	530	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7782-49-2	Selenium	10	550	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		
7440-28-0	Thallium	2.0	530	1	50	100	05/19/16	524171916ANEW	22	MSMS3_7700SWA		

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-016
 Client Id: DMW-9B MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	5800	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-39-3	Barium	50	600	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-70-2	Calcium	5000	71000	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-47-3	Chromium	50	570	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-50-8	Copper	50	580	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7439-89-6	Iron	300	5800	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7439-95-4	Magnesium	5000	59000	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7439-96-5	Manganese	40	580	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7439-97-6	Mercury	0.70	11	1	25	25	05/23/16	52417	H19377SW	17	CV	HGCV1A
7440-02-0	Nickel	50	570	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-09-7	Potassium	5000	56000	1	50	50	05/19/16	52417	W19377B2	17	P	PEICPRAD2A
7440-22-4	Silver	20	110	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-23-5	Sodium	5000	70000	1	50	50	05/19/16	52417	W19377B2	17	P	PEICPRAD2A
7440-62-2	Vanadium	50	570	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A
7440-66-6	Zinc	50	580	1	50	50	05/19/16	52417	W19377A2	21	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-016
 Client Id: DMW-9B MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	580	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	670	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	620	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	570	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	670	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7439-92-1	Lead	3.0	560	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7782-49-2	Selenium	10	670	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	570	1	50	100	05/19/16	524171916ANEW		23	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-017
 Client Id: DMW-9BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-39-3	Barium	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-47-3	Chromium	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-50-8	Copper	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7439-89-6	Iron	300	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7439-96-5	Manganese	40	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418	H19378SW	14	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	100	100	05/18/16	52418	W19378B2	14	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-23-5	Sodium	5000	15000	1	100	100	05/18/16	52418	W19378B2	14	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A
7440-66-6	Zinc	50	ND	1	100	100	05/18/16	52418	W19378A2	18	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-017
 Client Id: DMW-9BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	20	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-018
 Client Id: DMW-9BF MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	4900	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-39-3	Barium	50	520	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-70-2	Calcium	5000	64000	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-47-3	Chromium	50	490	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-50-8	Copper	50	500	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7439-89-6	Iron	300	5000	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7439-95-4	Magnesium	5000	52000	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7439-96-5	Manganese	40	500	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7439-97-6	Mercury	0.70	9.7	1	25	25	05/23/16	52418H19378SW	16	CV		HGCV2A
7440-02-0	Nickel	50	490	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-09-7	Potassium	5000	50000	1	50	50	05/18/16	52418:W19378B2	16	P		PEICPRAD2A
7440-22-4	Silver	20	96	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-23-5	Sodium	5000	63000	1	50	50	05/18/16	52418:W19378B2	16	P		PEICPRAD2A
7440-62-2	Vanadium	50	490	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A
7440-66-6	Zinc	50	490	1	50	50	05/18/16	52418:W19378A2	20	P		PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-018
 Client Id: DMW-9BF MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No.
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	510	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7440-38-2	Arsenic	2.0	520	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7440-41-7	Beryllium	1.0	530	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7440-43-9	Cadmium	2.0	510	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7440-48-4	Cobalt	2.0	490	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7439-92-1	Lead	3.0	490	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7782-49-2	Selenium	10	510	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA
7440-28-0	Thallium	2.0	520	1	50	100	05/18/16	52418	SW51716B	23	MS	MS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-019
 Client Id: DMW-9BF MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc.	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	4800	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-39-3	Barium	50	510	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-70-2	Calcium	5000	62000	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-47-3	Chromium	50	480	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-50-8	Copper	50	490	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7439-89-6	Iron	300	4900	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7439-95-4	Magnesium	5000	50000	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7439-96-5	Manganese	40	490	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7439-97-6	Mercury	0.70	9.7	1	25	25	05/23/16	52418	H19378SW	17	CV	HGCV2A
7440-02-0	Nickel	50	480	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-09-7	Potassium	5000	49000	1	50	50	05/18/16	52418	W19378B2	17	P	PEICPRAD2A
7440-22-4	Silver	20	94	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-23-5	Sodium	5000	62000	1	50	50	05/18/16	52418	W19378B2	17	P	PEICPRAD2A
7440-62-2	Vanadium	50	480	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A
7440-66-6	Zinc	50	480	1	50	50	05/18/16	52418	W19378A2	21	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-019
 Client Id: DMW-9BF MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	510	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	540	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	540	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	510	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	500	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7439-92-1	Lead	3.0	510	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7782-49-2	Selenium	10	520	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	520	1	50	100	05/18/16	52418	SW51716B	24	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-020
 Client Id: DMW-1
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	210	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-70-2	Calcium	5000	12000	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7439-89-6	Iron	300	340	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418	H19378SW	18	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418	W19378B2	23	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-23-5	Sodium	5000	29000	1	50	50	05/18/16	52418	W19378B2	23	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418	W19378A2	27	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-020
 Client Id: DMW-1
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418SW51716B		30	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-021
 Client Id: DMW-1F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-70-2	Calcium	5000	12000	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418;H19378SW		19	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418;W19378B2		24	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-23-5	Sodium	5000	30000	1	50	50	05/18/16	52418;W19378B2		24	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418;W19378A2		28	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-021
 Client Id: DMW-1F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	31		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-022
 Client Id: DMW-3
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	220	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-70-2	Calcium	5000	9200	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7439-89-6	Iron	300	980	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7439-96-5	Manganese	40	40	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418	H19378SW	22	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418	W19378B2	25	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-23-5	Sodium	5000	20000	1	50	50	05/18/16	52418	W19378B2	25	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418	W19378A2	29	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-022
 Client Id: DMW-3
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7440-43-9	Cadmium	2.0	11	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418SW51716B		32		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-023
 Client Id: DMW-3F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-70-2	Calcium	5000	9000	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418:H19378SW		23	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418:W19378B2		26	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-23-5	Sodium	5000	20000	1	50	50	05/18/16	52418:W19378B2		26	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418:W19378A2		30	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-023
 Client Id: DMW-3F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7440-43-9	Cadmium	2.0	9.4	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	33		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-024
 Client Id: DMW-59
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418	H19378SW	24	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418	W19378B2	27	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-23-5	Sodium	5000	13000	1	50	50	05/18/16	52418	W19378B2	27	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418	W19378A2	31	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-024
 Client Id: DMW-59
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418	SW51716B	34	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-025
 Client Id: DMW-59F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-70-2	Calcium	5000	12000	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/23/16	52418	H19378SW	25	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/18/16	52418	W19378B2	28	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-23-5	Sodium	5000	12000	1	50	50	05/18/16	52418	W19378B2	28	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/18/16	52418	W19378A2	32	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91318-025
 Client Id: DMW-59F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52418SW51716B		35	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/18/16

Data File: SW19378A2

Prep Batch: 52418

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038-9	CCB-14	CCB-25	CCB-37	CCB-47	CCB-56	MB 52418 (1)-15
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Calcium	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U
Magnesium	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Manganese	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/18/16

Data File: SW19378B2

Prep Batch: 52418

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 8	CCB-21	CCB-33	CCB-43	CCB-52	MB 52418 (1)- 11
Potassium	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	5 U	5 U	5 U	5 U	5 U	5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/18/16

Data File: SW51716B

Prep Batch: 52418

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS2_7500SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233166-10	CCB V-233166-16	CCB V-233166-29	CCB V-233166-42	CCB V-233166-54	MB 52418-17
Antimony	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Arsenic	1 U	1 U	1 U	1 U	1 U	2 U
Beryllium	.5 U	.5 U	.5 U	.5 U	.5 U	1 U
Cadmium	1 U	1 U	1 U	1 U	1 U	2 U
Cobalt	1 U	1 U	1 U	1 U	1 U	2 U
Lead	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Selenium	5 U	5 U	5 U	5 U	5 U	10 U
Thallium	1 U	1 U	1 U	1 U	1 U	2 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/19/16

Data File: SW19377A2

Prep Batch: 52417

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 9	CCB-14	CCB-25	CCB-37	CCB-49	MB 52417 (1)- 15
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Calcium	5 U	5 U	5 U	5 U	5 U	5 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U
Magnesium	5 U	5 U	5 U	5 U	5 U	5 U
Manganese	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/19/16

Data File: SW19377B2

Prep Batch: 52417

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 8	CCB-21	CCB-33	CCB-45	MB 52417 (1)- 11
Potassium	5 U	5 U	5 U	5 U	5 U
Sodium	5 U	5 U	5 U	5 U	5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/19/16

Data File: SW51916ANEW

Prep Batch: 52417

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS3_7700SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233166- 10	CCB V-233166- 15	CCB V-233166- 28	CCB V-233166- 41	CCB V-233166- 54	CCB V-233166- 62	MB 52417-16
Antimony	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Arsenic	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Beryllium	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	1 U
Cadmium	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Cobalt	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Lead	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Selenium	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	2 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/23/16

Data File: H19377SW

Prep Batch: 52417

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV1A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB-10	CCB-22	CCB-34	MB 52417 (1)- 11
Mercury	.7 U	.7 U	.7 U	.7 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/23/16

Data File: H19378SW

Prep Batch: 52418

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051229

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

	ICB-10	CCB-21	CCB-32	CCB-40	MB 52418 (1)- 11		
Analyte							
Mercury	.7 U	.7 U	.7 U	.7 U	.7 U		

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM5/FORM7
SPIKE RECOVERY DATA
 PREP BATCH: 52417

6051229 0103

Instrument Type: ICPMS

Analytical Method(s): 6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCS		Matrix: AQUEOUS		SampleID: LCSW 52417								
Analyte	BatchId	DF	Data Fil	Seq#	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Antimony	52417	1	SW51916	17	277.1740	250	111		80	120		
Arsenic	52417	1	SW51916	17	278.0070	250	111		80	120		
Beryllium	52417	1	SW51916	17	293.8880	250	118		80	120		
Cadmium	52417	1	SW51916	17	275.5580	250	110		80	120		
Cobalt	52417	1	SW51916	17	275.3310	250	110		80	120		
Lead	52417	1	SW51916	17	275.0700	250	110		80	120		
Selenium	52417	1	SW51916	17	281.1140	250	112		80	120		
Thallium	52417	1	SW51916	17	275.3500	250	110		80	120		

TxtQcType: LCSMR		Matrix: AQUEOUS		SampleID: LCSW MR 52417								
Analyte	BatchId	DF	Data Fil	Seq#	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Antimony	52417	1	SW51916	29	260.5870	250	104		80	120		
Arsenic	52417	1	SW51916	29	266.4920	250	107		80	120		
Beryllium	52417	1	SW51916	29	274.9910	250	110		80	120		
Cadmium	52417	1	SW51916	29	259.7940	250	104		80	120		
Cobalt	52417	1	SW51916	29	261.9580	250	105		80	120		
Lead	52417	1	SW51916	29	255.5700	250	102		80	120		
Selenium	52417	1	SW51916	29	262.6360	250	105		80	120		
Thallium	52417	1	SW51916	29	255.9490	250	102		80	120		

TxtQcType: MS		Matrix: AQUEOUS		SampleID: AC91318-015									
Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52417	1	SW51916	22	SW51916	19	271.6110	1.5U	250	109		75	125
Arsenic	52417	1	SW51916	22	SW51916	19	273.7360	1U	250	109		75	125
Beryllium	52417	1	SW51916	22	SW51916	19	290.9370	0.5U	250	116		75	125
Cadmium	52417	1	SW51916	22	SW51916	19	267.3560	1U	250	107		75	125
Cobalt	52417	1	SW51916	22	SW51916	19	272.4910	1U	250	109		75	125
Lead	52417	1	SW51916	22	SW51916	19	266.1120	1.5U	250	106		75	125
Selenium	52417	1	SW51916	22	SW51916	19	276.4060	5U	250	111		75	125
Thallium	52417	1	SW51916	22	SW51916	19	266.3040	1U	250	107		75	125

TxtQcType: MSD		Matrix: AQUEOUS		SampleID: AC91318-016									
Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52417	1	SW51916	23	SW51916	19	288.0050	1.5U	250	115		75	125
Arsenic	52417	1	SW51916	23	SW51916	19	337.1330	1U	250	135	a	75	125
Beryllium	52417	1	SW51916	23	SW51916	19	308.5300	0.5U	250	123		75	125
Cadmium	52417	1	SW51916	23	SW51916	19	285.5700	1U	250	114		75	125
Cobalt	52417	1	SW51916	23	SW51916	19	333.9140	1U	250	134	a	75	125
Lead	52417	1	SW51916	23	SW51916	19	281.2810	1.5U	250	113		75	125
Selenium	52417	1	SW51916	23	SW51916	19	335.8990	5U	250	134	a	75	125
Thallium	52417	1	SW51916	23	SW51916	19	283.6780	1U	250	113		75	125

a-Indicates Recovery Failed the criteria

b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52417

6051229 0104

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: AQUEOUS		SampleID: LCSW MR 52417					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52417	SW51916	29	SW51916	17	260.5870	277.1740	6.2	20
Arsenic	52417	SW51916	29	SW51916	17	266.4920	278.0070	4.2	20
Beryllium	52417	SW51916	29	SW51916	17	274.9910	293.8880	6.6	20
Cadmium	52417	SW51916	29	SW51916	17	259.7940	275.5580	5.9	20
Cobalt	52417	SW51916	29	SW51916	17	261.9580	275.3310	5	20
Lead	52417	SW51916	29	SW51916	17	255.5700	275.0700	7.3	20
Selenium	52417	SW51916	29	SW51916	17	262.6360	281.1140	6.8	20
Thallium	52417	SW51916	29	SW51916	17	255.9490	275.3500	7.3	20

TxtQcType: MR		Matrix: AQUEOUS		SampleID: AC91318-014					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52417	SW51916	20	SW51916	19	1.5U	1.5U	---	20
Arsenic	52417	SW51916	20	SW51916	19	1U	1U	---	20
Beryllium	52417	SW51916	20	SW51916	19	0.5U	0.5U	---	20
Cadmium	52417	SW51916	20	SW51916	19	1U	1U	---	20
Cobalt	52417	SW51916	20	SW51916	19	1U	1U	---	20
Lead	52417	SW51916	20	SW51916	19	1.5U	1.5U	---	20
Selenium	52417	SW51916	20	SW51916	19	5U	5U	---	20
Thallium	52417	SW51916	20	SW51916	19	1U	1U	---	20

TxtQcType: MSD		Matrix: AQUEOUS		SampleID: AC91318-016					
Analyte	BatchId	Data Fil	Seq#	MS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52417	SW51916	23	SW51916	22	288.0050	271.6110	5.9	20
Arsenic	52417	SW51916	23	SW51916	22	337.1330	273.7360	21 a	20
Beryllium	52417	SW51916	23	SW51916	22	308.5300	290.9370	5.9	20
Cadmium	52417	SW51916	23	SW51916	22	285.5700	267.3560	6.6	20
Cobalt	52417	SW51916	23	SW51916	22	333.9140	272.4910	20	20
Lead	52417	SW51916	23	SW51916	22	281.2810	266.1120	5.5	20
Selenium	52417	SW51916	23	SW51916	22	335.8990	276.4060	19	20
Thallium	52417	SW51916	23	SW51916	22	283.6780	266.3040	6.3	20

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91318-014						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Antimony	52417	SW51916	21	SW51916	19	5	-0.0090	0.1530	---	10
Arsenic	52417	SW51916	21	SW51916	19	5	0.0600	0.2480	21 c	10
Beryllium	52417	SW51916	21	SW51916	19	5	0.0520	0.2400	8.3	10
Cadmium	52417	SW51916	21	SW51916	19	5	0.0410	0.1380	49 c	10
Cobalt	52417	SW51916	21	SW51916	19	5	0.0240	0.0910	32 c	10
Lead	52417	SW51916	21	SW51916	19	5	0.3620	0.1980	814 c	10
Selenium	52417	SW51916	21	SW51916	19	5	0.0300	0.2160	---	10
Thallium	52417	SW51916	21	SW51916	19	5	0.0850	0.6810	38 c	10

a-Indicates Rpd Failed the criteria
 b-Method Rep Out but concentrations < 5*RL
 c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
PREP BATCH: 52417

6051229 0105

Instrument Type: ICP/HG

Analytical Method(s): 6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91318-014						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Aluminum	52417	SW19377	26	SW19377	18	5	0.0307	0.1153	33 c	10
Barium	52417	SW19377	26	SW19377	18	5	0.0036	0.0230	21 a	10
Calcium	52417	SW19377	26	SW19377	18	5	2.7909	14.2516	2.1	10
Chromium	52417	SW19377	26	SW19377	18	5	-0.0010	-0.0006	---	10
Copper	52417	SW19377	26	SW19377	18	5	-0.0007	0.0000	---	10
Iron	52417	SW19377	26	SW19377	18	5	-0.0216	-0.0065	---	10
Magnesium	52417	SW19377	26	SW19377	18	5	0.3259	2.3242	30 a	10
Manganese	52417	SW19377	26	SW19377	18	5	0.0012	0.0115	47 c	10
Nickel	52417	SW19377	26	SW19377	18	5	-0.0014	-0.0011	---	10
Potassium	52417	SW19377	22	SW19377	14	5	0.4399	1.8833	17 c	10
Silver	52417	SW19377	26	SW19377	18	5	-0.0003	0.0000	---	10
Sodium	52417	SW19377	22	SW19377	14	5	2.7100	13.8603	2.2	10
Vanadium	52417	SW19377	26	SW19377	18	5	-0.0009	0.0005	---	10
Zinc	52417	SW19377	26	SW19377	18	5	0.0001	0.0035	---	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
PREP BATCH: 52418

6051229 0106

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91318-017						
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Aluminum	52418	SW19378	26	SW19378	18	5	0.0261	0.0521	150 c	10
Barium	52418	SW19378	26	SW19378	18	5	0.0057	0.0246	17 a	10
Calcium	52418	SW19378	26	SW19378	18	5	2.9575	14.2881	3.5	10
Chromium	52418	SW19378	26	SW19378	18	5	0.0009	0.0012	270 c	10
Copper	52418	SW19378	26	SW19378	18	5	0.0010	0.0028	83 c	10
Iron	52418	SW19378	26	SW19378	18	5	0.0067	0.0214	---	10
Magnesium	52418	SW19378	26	SW19378	18	5	0.5528	2.5165	9.8	10
Manganese	52418	SW19378	26	SW19378	18	5	0.0018	0.0061	49 c	10
Nickel	52418	SW19378	26	SW19378	18	5	0.0002	0.0004	---	10
Potassium	52418	SW19378	22	SW19378	14	5	0.4459	1.9133	17 c	10
Silver	52418	SW19378	26	SW19378	18	5	0.0000	-0.0003	---	10
Sodium	52418	SW19378	22	SW19378	14	5	2.9638	14.7976	0.14	10
Vanadium	52418	SW19378	26	SW19378	18	5	0.0009	0.0020	137 c	10
Zinc	52418	SW19378	26	SW19378	18	5	0.0022	0.0058	88 c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL



Last Page of Report

Project: Dzus Fasteners

Client PO: 60277021

Report To: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge, NY 10977

Attn: Paul Kareth

Received Date: 5/13/2016

Report Date: 6/3/2016

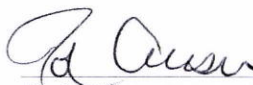
Deliverables: NYDOH-CatA

Lab ID: AC91350

Lab Project No: 6051330

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Hampton-Clarke to all parties shall not exceed Hampton-Clarke's total fee for analytical services rendered.



Robin Cousineau - Quality Assurance Director

OR

Jean Revolus - Laboratory Director

NJ (07071)
PA (68-00463)

NY (ELAP11408)
KY (90124)

CT (PH-0671)





**THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 58**

HC Case Narrative

Client: AECOM
Project: Dzus Fasteners

HC Project: 6051330

Hampton-Clarke (HC) received the following samples on 05/13/2016:

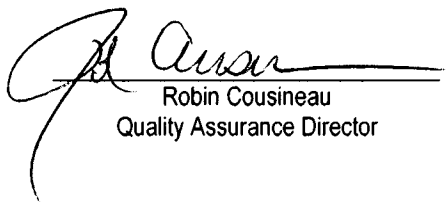
<u>Client ID</u>	<u>HC Sample ID</u>	<u>Matrix</u>	<u>Analysis</u>
DMW-13A	AC91350-001	Aqueous	Metals (6010C/6020A/7470A)
DMW-13AF	AC91350-002	Aqueous	Metals (6010C/6020A/7470A)
DMW-13BF	AC91350-003	Aqueous	Metals (6010C/6020A/7470A)
DMW-13B	AC91350-004	Aqueous	Metals (6010C/6020A/7470A)
DMW-23A	AC91350-005	Aqueous	Metals (6010C/6020A/7470A)
DMW-23AF	AC91350-006	Aqueous	Metals (6010C/6020A/7470A)
DMW-23B	AC91350-007	Aqueous	Metals (6010C/6020A/7470A)
DMW-23BF	AC91350-008	Aqueous	Metals (6010C/6020A/7470A)
DMW-22A	AC91350-009	Aqueous	Metals (6010C/6020A/7470A)
DMW-22AF	AC91350-010	Aqueous	Metals (6010C/6020A/7470A)
DMW-22B	AC91350-011	Aqueous	Metals (6010C/6020A/7470A)
DMW-22BF	AC91350-012	Aqueous	Metals (6010C/6020A/7470A)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Metals Analysis:

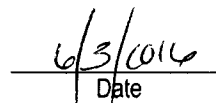
The serial dilution for batch 52427 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

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 has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director


6/3/2016
Date

Turnaround

Report Type

Electronic Deliv.

When Available:

1 Business Day (100%)*

Data Summary

HazSite/CSV

2 Business Days (75%)*

Results + QC (Waste)

EnviroData

3 Business Days (50%)*

NY Reduced

Excel - NY Regulatory

4 Business Days (35%)*

PA Reduced

Excel - PA Regulatory

5 Business Days (25%)*

Full / Category B

EQUS (Specify below):

10 Business Days (Stand.)

Category A

E-Filter/ENYS/Reg. 2 or 5

* Expedited TAT Not Always Available. Please Check with Lab.

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458Service Center: 137-D Galtier Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

A Woman-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY
RECORD

Acorn Customer Information

1a) Customer: 100 Red Schoolhouse Rd, B-1
Address: Chestnut Ridge NY, 10917

1b) Email/Cell/Fax/Ph:

Paul, Kareth@acorn.com

1c) Send Invoice to:

"

1d) Send Report to:

2a) Project: DZUS

2b) Project Mgr: PAUL KARETH

2c) Project Location (City/State): WEST ISLIP NY

2d) Quote/PO # (if Applicable): 600277021

7) Analysis (Specify methods & parameter lists)

TAL METALS

8) # of Bottles

9) Comments

None

MeOH

En Core

NaOH

HCl

H2SO4

HNO3

Other:

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Turnaround

Report Type

Electronic Deliv.

When Available:

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Data Summary

HazSite/CSV

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7) Analysis (Specify methods & parameter lists)

TAL METALS

8) # of Bottles

9) Comments

None

MeOH

En Core

NaOH

HCl

H2SO4

HNO3

Other:

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Turnaround

Report Type

Electronic Deliv.

When Available:

1 Business Day (100%)*

Data Summary

HazSite/CSV

2 Business Days (75%)*

Results + QC (Waste)

EnviroData

3 Business Days (50%)*

NY Reduced

Excel - NY Regulatory

4 Business Days (35%)*

PA Reduced

Excel - PA Regulatory

5 Business Days (25%)*

Full / Category B

EQUS (Specify below):

10 Business Days (Stand.)

Category A

E-Filter/ENYS/Reg. 2 or 5

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A Woman-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY
RECORD

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2a) Project: DZUS

2b) Project Mgr: PAUL KARETH

2c) Project Location (City/State): WEST ISLIP NY

2d) Quote/PO # (if Applicable): 600277021

7) Analysis (Specify methods & parameter lists)

TAL METALS

8) # of Bottles

9) Comments

None

MeOH

En Core

NaOH

HCl

H2SO4

HNO3

Other:

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Turnaround

Report Type

Electronic Deliv.

When Available:

1 Business Day (100%)*

Data Summary

HazSite/CSV

2 Business Days (75%)*

Results + QC (Waste)

EnviroData

3 Business Days (50%)*

NY Reduced

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4 Business Days (35%)*

PA Reduced

Excel - PA Regulatory

5 Business Days (25%)*

Full / Category B

EQUS (Specify below):

10 Business Days (Stand.)

Category A

E-Filter/ENYS/Reg. 2 or 5

* Expedited TAT Not Always Available. Please Check with Lab.

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A Woman-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY
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Address: Chestnut Ridge NY, 10917

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1d) Send Report to:

2a) Project: DZUS

2b) Project Mgr: PAUL KARETH

2c) Project Location (City/State): WEST ISLIP NY

2d) Quote/PO # (if Applicable): 600277021

7) Analysis (Specify methods & parameter lists)

TAL METALS

8) # of Bottles

9) Comments

None

MeOH

En Core

NaOH

HCl

H2SO4

HNO3

Other:

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Turnaround

Report Type

Electronic Deliv.

When Available:

1 Business Day (100%)*

Data Summary

HazSite/CSV

2 Business Days (75%)*

Results + QC (Waste)

EnviroData

3 Business Days (50%)*

NY Reduced

Excel - NY Regulatory

4 Business Days (35%)*

PA Reduced

Excel - PA Regulatory

5 Business Days (25%)*

Full / Category B

EQUS (Specify below):

10 Business Days (Stand.)

Category A

E-Filter/ENYS/Reg. 2 or 5

* Expedited TAT Not Always Available. Please Check with Lab.

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A Woman-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY
RECORD

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1b) Email/Cell/Fax/Ph:

Paul, Kareth@acorn.com

1c) Send Invoice to:

"

1d) Send Report to:

2a) Project: DZUS

2b) Project Mgr: PAUL KARETH

2c) Project Location (City/State): WEST ISLIP NY

2d) Quote/PO # (if Applicable): 600277021

7) Analysis (Specify methods & parameter lists)

TAL METALS

8) # of Bottles

9) Comments

None

PROJECT MODIFICATIONS

Client: AECOM-CRNY

HC Project #: 6051330

Project: Dzus Fasteners

david192.168.1.125
5/17/2016 12:23:15 PM

Per Paul Kareth- NYCat A report. DTW

Hampton-Clarke, Inc. (WB/E/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Galtier Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056



**CHAIN OF CUSTODY
RECORD**

Hampton-Clarke
A Women-Owned, Disadvantaged, Small Business Enterprise

Project # (Lab Use Only)
6051330

Page **2** of **2**

3) Reporting Requirements (Please Circle)

Customer Information		Project Information	
1a) Customer: AECOM	2a) Project: DZUS	When Available:	
Address: 100 Red Schoolhouse Rd B-1 Chestnut Ridge NY 10977	2b) Project Mgr: Paul Kareth	1 Business Day (100%)*	Data Summary
1b) Email/Cell/Fax Ph: Paul.Kareth@aecom.com	2c) Project Location (City/State): West Islip NY	2 Business Days (75%)*	Results + QC (Waste)
1c) Send Invoice to:		3 Business Days (50%)*	NJ Reduced
1d) Send Report to:		4 Business Days (35%)*	PA Reduced
		5 Business Days (25%)*	Category A
		6 Business Days (Stand)	Category B
		7 Business Days (Stand)	Electronic (PDF)
		8 Business Days (Stand)	Other:
		9 Business Days (Stand)	Other:

FOR LAB USE ONLY												7) Analysis (specify methods & parameter lists)												8) # of Bottles										9) Comments																			
Batch #		Matrix Codes DW - Drinking Water S - Soil A - Air GW - Ground Water SL - Sludge WW - Waste Water OL - Oil OT - Other (please specify under item 9, Comments)										Sample Type												<=== Check if Contingent <===																													
Lab Sample #		4) Customer Sample ID		5) Matrix		6) Sample		Composite (C)		Grab (G)																																											
						Date		Time																																													
AC91550																																																					
-011		DMW-22B		GW		5/13/16		1045		X		X																																									
-012		DMW-22BF		GW		5/13/16		1047		X		X																																									
												</																																									

CONDITION UPON RECEIPT

Batch Number AC91350

Entered By: maxwell

Date Entered 5/13/2016 6:15:00 PM

-
- | | | |
|----|-------|--|
| 1 | Yes | Is there a corresponding COC included with the samples? |
| 2 | Yes | Are the samples in a container such as a cooler or Ice chest? |
| 3 | Yes | Are the COC seals intact? |
| 4 | T0056 | <--- Thermometer ID. Please specify the Temperature inside the container (in degC).
3.2C |
| 5 | Yes | Are the samples refrigerated (where required)/have they arrived on ice? |
| 6 | Yes | Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples: |
| 7 | Yes | Are all of the sample bottles intact? If no, specify sample numbers broken/leaking |
| 8 | Yes | Are all of the sample labels or numbers legible? If no specify: |
| 9 | Yes | Do the contents match the COC? If no, specify |
| 10 | Yes | Is there enough sample sent for the analyses listed on the COC? If no, specify: |
| 11 | Yes | Are samples preserved correctly? |
| 12 | Yes | Was temperature blank present (Place comment below if not)? If not was temperature of samples verified? |
| 13 | NA | Other comments ...Specify |
| 14 | NA | Corrective actions (Specify item number and corrective action taken). |

PRESERVATION DOCUMENT

Batch Number AC91350

Entered By: maxwell

Date Entered 5/13/2016 6:15:00 PM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AC91350-001	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-002	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-003	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-004	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-005	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-006	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-007	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-008	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-009	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-010	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-011	1L	P	METALS	HNO3	117003	1	HC57767
AC91350-012	1L	P	METALS	HNO3	117003	1	HC57767

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis
AC91350-001	05/13/16 18:00	MAXW	0	M	Received						
AC91350-001	05/13/16 18:14	MAXW	0	M	Login						
AC91350-001	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-001	05/18/16 10:00	R12	1	A	NONE						
AC91350-002	05/13/16 18:00	MAXW	0	M	Received						
AC91350-002	05/13/16 18:14	MAXW	0	M	Login						
AC91350-002	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-002	05/18/16 10:00	R12	1	A	NONE						
AC91350-003	05/13/16 18:00	MAXW	0	M	Received						
AC91350-003	05/13/16 18:14	MAXW	0	M	Login						
AC91350-003	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-003	05/18/16 10:00	R12	1	A	NONE						
AC91350-004	05/13/16 18:00	MAXW	0	M	Received						
AC91350-004	05/13/16 18:14	MAXW	0	M	Login						
AC91350-004	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-004	05/18/16 10:00	R12	1	A	NONE						
AC91350-005	05/13/16 18:00	MAXW	0	M	Received						
AC91350-005	05/13/16 18:14	MAXW	0	M	Login						
AC91350-005	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-005	05/18/16 10:00	R12	1	A	NONE						
AC91350-006	05/13/16 18:00	MAXW	0	M	Received						
AC91350-006	05/13/16 18:14	MAXW	0	M	Login						
AC91350-006	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-006	05/18/16 10:00	R12	1	A	NONE						
AC91350-007	05/13/16 18:00	MAXW	0	M	Received						
AC91350-007	05/13/16 18:14	MAXW	0	M	Login						
AC91350-007	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-007	05/18/16 10:00	R12	1	A	NONE						
AC91350-008	05/13/16 18:00	MAXW	0	M	Received						
AC91350-008	05/13/16 18:14	MAXW	0	M	Login						
AC91350-008	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-008	05/18/16 10:00	R12	1	A	NONE						
AC91350-009	05/13/16 18:00	MAXW	0	M	Received						
AC91350-009	05/13/16 18:14	MAXW	0	M	Login						
AC91350-009	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-009	05/18/16 10:00	R12	1	A	NONE						
AC91350-010	05/13/16 18:00	MAXW	0	M	Received						
AC91350-010	05/13/16 18:14	MAXW	0	M	Login						
AC91350-010	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-010	05/18/16 10:00	R12	1	A	NONE						
AC91350-011	05/13/16 18:00	MAXW	0	M	Received						
AC91350-011	05/13/16 18:14	MAXW	0	M	Login						
AC91350-011	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-011	05/18/16 10:00	R12	1	A	NONE						
AC91350-012	05/13/16 18:00	MAXW	0	M	Received						
AC91350-012	05/13/16 18:14	MAXW	0	M	Login						
AC91350-012	05/18/16 09:58	AM	1	A	TDWI/HG						
AC91350-012	05/18/16 10:00	R12	1	A	NONE						

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Laboratory Chronicle

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051330

Lab#: AC91350-001

Sample ID: DMW-13A

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:26	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 11:53	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 14:51	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:20	PC

Lab#: AC91350-002

Sample ID: DMW-13AF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:28	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 11:57	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 14:55	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:24	PC

Lab#: AC91350-003

Sample ID: DMW-13BF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:33	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:00	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 14:58	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:28	PC

Lab#: AC91350-004

Sample ID: DMW-13B

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:34	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:01	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:04	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:33	PC

Laboratory Chronicle

6051330 0009

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051330

Lab#: AC91350-005

Sample ID: DMW-23A

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:36	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:07	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:05	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:37	PC

Lab#: AC91350-006

Sample ID: DMW-23AF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:37	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:11	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:07	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:41	PC

Lab#: AC91350-007

Sample ID: DMW-23B

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:39	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:37	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:27	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:45	PC

Lab#: AC91350-008

Sample ID: DMW-23BF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:40	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:40	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:31	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:49	PC

Laboratory Chronicle

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051330

Lab#: AC91350-009

Sample ID: DMW-22A

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:42	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:44	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:34	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/18/16 23:54	PC

Lab#: AC91350-010

Sample ID: DMW-22AF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:43	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:37	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:47	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 15:22	PC

Lab#: AC91350-011

Sample ID: DMW-22B

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:45	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:51	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:41	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 15:26	PC

Lab#: AC91350-012

Sample ID: DMW-22BF

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	05/18/16	AADEWUSI	EPA 7470A	5/24/16 10:49	CJA
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 12:55	SRB
TAL Metals 6010	3005&10/3050	05/18/16	AADEWUSI	EPA 6010C	5/20/16 15:44	SRB
TAL Metals 6020	3005&10/3050	05/18/16	AADEWUSI	EPA 6020A	5/19/16 15:30	PC

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

- A-** Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.
- B-** Indicates analyte was present in the Method Blank and sample.
- d-** For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.
- E-** Indicates the concentration exceeded the upper calibration range of the instrument.
- J-** Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.
- R-** Retention Time is out.
- Y-** Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: AECOM
Project: Dzus Fasteners

HC Project #: 6051330

Sample ID: DMW-13A
Lab#: AC91350-001
Matrix: Aqueous

Collection Date: 5/12/2016
Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	57
Calcium	1	ug/l	5000	37000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	3200
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	360
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	6700
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	39000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	10
Cobalt	1	ug/l	2.0	5.9
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-13AF
 Lab#: AC91350-002
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	55
Calcium	1	ug/l	5000	36000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1700
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	350
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	6400
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	37000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	8.5
Cobalt	1	ug/l	2.0	5.4
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-13BF
 Lab#: AC91350-003
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	94
Calcium	1	ug/l	5000	29000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	41000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	6.6
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-13B
 Lab#: AC91350-004
 Matrix: Aqueous

Collection Date: 5/12/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	98
Calcium	1	ug/l	5000	30000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	43000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	6.9
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-23A
 Lab#: AC91350-005
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	57
Calcium	1	ug/l	5000	69000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	11000
Magnesium	1	ug/l	5000	15000
Manganese	1	ug/l	40	930
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	8900
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	130000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	8.9
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-23AF
 Lab#: AC91350-006
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	54
Calcium	1	ug/l	5000	66000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	10000
Magnesium	1	ug/l	5000	14000
Manganese	1	ug/l	40	920
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	8000
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	130000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-23B
 Lab#: AC91350-007
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	220
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	420
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	16000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	42
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-23BF
 Lab#: AC91350-008
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	13000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	15000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	37
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-22A
 Lab#: AC91350-009
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	54000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	2900
Magnesium	1	ug/l	5000	8900
Manganese	1	ug/l	40	450
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	41000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	310

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-22AF
 Lab#: AC91350-010
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	49000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	2500
Magnesium	1	ug/l	5000	8100
Manganese	1	ug/l	40	420
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	39000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	270

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-22B
 Lab#: AC91350-011
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	30000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	5900
Manganese	1	ug/l	40	500
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	16000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: DMW-22BF
 Lab#: AC91350-012
 Matrix: Aqueous

Collection Date: 5/13/2016
 Receipt Date: 5/13/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	300
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	31000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	6200
Manganese	1	ug/l	40	500
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	17000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52427 (1)
 Client Id: MB 52427 (1)
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427 H19387SW		11	CV	HGCV2A
7439-98-7	Molybdenum	20	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427SW19387B2		11	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	05/20/16	52427SW19387B2		11	P	PEICPRAD2A
7440-31-5	Tin	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427SW19387A2		12	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - Cold Vapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52427
 Client Id: MB 52427
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	16	MS	MS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-001
 Client Id: DMW-13A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-39-3	Barium	50	57	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-70-2	Calcium	5000	37000	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7439-89-6	Iron	300	3200	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7439-96-5	Manganese	40	360	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	18	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-09-7	Potassium	5000	6700	1	50	50	05/20/16	52427	W19387B2	23	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-23-5	Sodium	5000	39000	1	50	50	05/20/16	52427	W19387B2	23	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	24	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-001
 Client Id: DMW-13A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc.	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	10	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	5.9	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		29	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-002
 Client Id: DMW-13AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-39-3	Barium	50	55	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-70-2	Calcium	5000	36000	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7439-89-6	Iron	300	1700	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7439-96-5	Manganese	40	350	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	19	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-09-7	Potassium	5000	6400	1	50	50	05/20/16	52427	W19387B2	24	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-23-5	Sodium	5000	37000	1	50	50	05/20/16	52427	W19387B2	24	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	25	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-002
 Client Id: DMW-13AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7440-43-9	Cadmium	2.0	8.5	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7440-48-4	Cobalt	2.0	5.4	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	52427	1816CNEW	30	MS	MS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-003
 Client Id: DMW-13BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-39-3	Barium	50	94	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-70-2	Calcium	5000	29000	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	22	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	25	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-23-5	Sodium	5000	41000	1	50	50	05/20/16	52427	W19387B2	25	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	26	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-003
 Client Id: DMW-13BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	6.6	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		31		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-004
 Client Id: DMW-13B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-39-3	Barium	50	98	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-70-2	Calcium	5000	30000	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	23	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	26	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-23-5	Sodium	5000	43000	1	50	50	05/20/16	52427	W19387B2	26	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	27	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-004
 Client Id: DMW-13B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	6.9	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		32	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-005
 Client Id: DMW-23A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-39-3	Barium	50	57	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-70-2	Calcium	5000	69000	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7439-89-6	Iron	300	11000	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7439-95-4	Magnesium	5000	15000	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7439-96-5	Manganese	40	930	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	24	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-09-7	Potassium	5000	8900	1	50	50	05/20/16	52427	W19387B2	27	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-23-5	Sodium	5000	130000	1	50	50	05/20/16	52427	W19387B2	27	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	28	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-005
 Client Id: DMW-23A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	8.9	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		33		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-006
 Client Id: DMW-23AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-39-3	Barium	50	54	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-70-2	Calcium	5000	66000	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7439-89-6	Iron	300	10000	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7439-95-4	Magnesium	5000	14000	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7439-96-5	Manganese	40	920	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	25	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-09-7	Potassium	5000	8000	1	50	50	05/20/16	52427	W19387B2	28	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-23-5	Sodium	5000	130000	1	50	50	05/20/16	52427	W19387B2	28	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	29	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-006
 Client Id: DMW-23AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		34	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-007
 Client Id: DMW-23B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	220	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7439-89-6	Iron	300	420	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	26	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	34	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-23-5	Sodium	5000	16000	1	50	50	05/20/16	52427	W19387B2	34	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	35	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-007
 Client Id: DMW-23B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	42	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		35	MSMS3_7700SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-008
 Client Id: DMW-23BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc.	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-70-2	Calcium	5000	13000	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	27	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	35	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-23-5	Sodium	5000	15000	1	50	50	05/20/16	52427	W19387B2	35	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	36	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-008
 Client Id: DMW-23BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc.	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	37	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		36	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-009
 Client Id: DMW-22A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-70-2	Calcium	5000	54000	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7439-89-6	Iron	300	2900	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7439-95-4	Magnesium	5000	8900	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7439-96-5	Manganese	40	450	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	28	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	36	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-23-5	Sodium	5000	41000	1	50	50	05/20/16	52427	W19387B2	36	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A
7440-66-6	Zinc	50	310	1	50	50	05/20/16	52427	W19387A2	37	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-009
 Client Id: DMW-22A
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7782-49-2	Selenium	10	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/18/16	524271816CNEW		37		MSMS3_7700SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-010
 Client Id: DMW-22AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-70-2	Calcium	5000	49000	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7439-89-6	Iron	300	2500	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7439-95-4	Magnesium	5000	8100	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7439-96-5	Manganese	40	420	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	29	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	37	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-23-5	Sodium	5000	39000	1	50	50	05/20/16	52427	W19387B2	37	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A
7440-66-6	Zinc	50	270	1	50	50	05/20/16	52427	W19387A2	38	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-010
 Client Id: DMW-22AF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524271916ANEW		55	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-011
 Client Id: DMW-22B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-70-2	Calcium	5000	30000	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7439-95-4	Magnesium	5000	5900	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7439-96-5	Manganese	40	500	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	30	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	38	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-23-5	Sodium	5000	16000	1	50	50	05/20/16	52427	W19387B2	38	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	39	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-011
 Client Id: DMW-22B
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	Mi	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524271916ANEW		56	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-012
 Client Id: DMW-22BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	300	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-70-2	Calcium	5000	31000	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7439-95-4	Magnesium	5000	6200	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7439-96-5	Manganese	40	500	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/24/16	52427	H19387SW	33	CV	HGCV2A
7440-02-0	Nickel	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/20/16	52427	W19387B2	39	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-23-5	Sodium	5000	17000	1	50	50	05/20/16	52427	W19387B2	39	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/20/16	52427	W19387A2	40	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91350-012
 Client Id: DMW-22BF
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/13/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/19/16	524271916ANEW		57	MSMS3_7700SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/20/16

Data File: SW19387A2

Prep Batch: 52427

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051330

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 9	CCB-22	CCB-34	CCB-44	CCB-51	MB 52427 (1)- 12
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Calcium	5 U	5 U	5 U	5 U	5 U	5 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U
Magnesium	5 U	5 U	5 U	5 U	5 U	5 U
Manganese	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/20/16

Data File: SW19387B2

Prep Batch: 52427

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051330

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 8	CCB-21	CCB-33	CCB-45	MB 52427 (1)- 11
Potassium	5 U	5 U	5 U	5 U	5 U
Sodium	5 U	5 U	5 U	5 U	5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/18/16

Data File: SW51816CNEW

Prep Batch: 52427

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS3_7700SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051330

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233166-10	CCB V-233166-15	CCB V-233166-28	CCB V-233166-41	CCB V-233166-49	MB 52427-16
Antimony	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3U
Arsenic	1 U	1 U	1 U	1 U	1 U	2U
Beryllium	.5 U	.5 U	.5 U	.5 U	.5 U	1U
Cadmium	1 U	1 U	1 U	1 U	1 U	2U
Cobalt	1 U	1 U	1 U	1 U	1 U	2U
Lead	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3U
Selenium	5 U	5 U	5 U	5 U	5 U	10U
Thallium	1 U	1 U	1 U	1 U	1 U	2U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/19/16

Data File: SW51916ANEW

Prep Batch: 52427

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS3_7700SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051330

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233166- 10	CCB V-233166- 15	CCB V-233166- 28	CCB V-233166- 41	CCB V-233166- 54	CCB V-233166- 62
Antimony	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Arsenic	1 U	1 U	1 U	1 U	1 U	1 U
Beryllium	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U
Cadmium	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	1 U	1 U	1 U	1 U	1 U	1 U
Lead	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Selenium	5 U	5 U	5 U	5 U	5 U	5 U
Thallium	1 U	1 U	1 U	1 U	1 U	1 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/24/16

Data File: H19387SW

Prep Batch: 52427

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6051330

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB-10	CCB-21	CCB-32	CCB-37	MB 52427 (1)- 11
Mercury	7 U	7 U	7 U	7 U	7 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52427

6051330 0055

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: AQUEOUS		SampleID: LCSW MR 52427					
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52427	SW19387	14	SW19387	13	5.7763	5.4618	5.6	20
Barium	52427	SW19387	14	SW19387	13	0.5846	0.5469	6.7	20
Calcium	52427	SW19387	14	SW19387	13	58.6897	56.7917	3.3	20
Chromium	52427	SW19387	14	SW19387	13	0.5824	0.5463	6.4	20
Copper	52427	SW19387	14	SW19387	13	0.5805	0.5501	5.4	20
Iron	52427	SW19387	14	SW19387	13	5.8660	5.5249	6	20
Magnesium	52427	SW19387	14	SW19387	13	58.4956	56.6489	3.2	20
Manganese	52427	SW19387	14	SW19387	13	0.5827	0.5472	6.3	20
Mercury	52427	H19387S	13	H19387S	12	10.9000	10.7400	1.5	20
Nickel	52427	SW19387	14	SW19387	13	0.5814	0.5480	5.9	20
Potassium	52427	SW19387	13	SW19387	12	56.2827	55.2307	1.9	20
Silver	52427	SW19387	14	SW19387	13	0.1123	0.1053	6.5	20
Sodium	52427	SW19387	13	SW19387	12	57.0797	55.9538	2	20
Vanadium	52427	SW19387	14	SW19387	13	0.5766	0.5420	6.2	20
Zinc	52427	SW19387	14	SW19387	13	0.5847	0.5725	2.1	20

TxtQcType: MR		Matrix: AQUEOUS		SampleID: AC91363-003					
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52427	SW19387	16	SW19387	15	0.8416	0.7507	11	20
Barium	52427	SW19387	16	SW19387	15	0.0952	0.0937	1.6	20
Calcium	52427	SW19387	16	SW19387	15	79.6681	79.1752	0.62	20
Chromium	52427	SW19387	16	SW19387	15	0.05U	0.05U	---	20
Copper	52427	SW19387	16	SW19387	15	0.05U	0.05U	---	20
Iron	52427	SW19387	16	SW19387	15	3.3296	3.2015	3.9	20
Magnesium	52427	SW19387	16	SW19387	15	9.4697	9.3614	1.2	20
Manganese	52427	SW19387	16	SW19387	15	5.2633	5.2309	0.62	20
Mercury	52427	H19387S	15	H19387S	14	.70U	.70U	---	20
Nickel	52427	SW19387	16	SW19387	15	0.05U	0.05U	---	20
Potassium	52427	SW19387	15	SW19387	14	19.4480	19.1420	1.6	20
Silver	52427	SW19387	16	SW19387	15	0.02U	0.02U	---	20
Sodium	52427	SW19387	15	SW19387	14	213.5380	211.4710	0.97	20
Vanadium	52427	SW19387	16	SW19387	15	0.05U	0.05U	---	20
Zinc	52427	SW19387	16	SW19387	15	0.05U	0.05U	---	20

TxtQcType: MSD		Matrix: AQUEOUS		SampleID: AC91363-003					
Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52427	SW19387	18	SW19387	17	6.8816	6.6837	2.9	20
Barium	52427	SW19387	18	SW19387	17	0.6667	0.6616	.77	20
Calcium	52427	SW19387	18	SW19387	17	133.0230	131.4830	1.2	20
Chromium	52427	SW19387	18	SW19387	17	0.5660	0.5673	.23	20
Copper	52427	SW19387	18	SW19387	17	0.5959	0.5933	.44	20
Iron	52427	SW19387	18	SW19387	17	9.4719	9.0926	4.1	20
Magnesium	52427	SW19387	18	SW19387	17	64.5423	63.9510	.92	20
Manganese	52427	SW19387	18	SW19387	17	5.6855	5.5818	1.8	20
Mercury	52427	H19387S	17	H19387S	16	10.1100	10.0200	.89	20
Nickel	52427	SW19387	18	SW19387	17	0.5713	0.5780	1.2	20
Potassium	52427	SW19387	17	SW19387	16	75.0526	74.4913	.75	20
Silver	52427	SW19387	18	SW19387	17	0.1120	0.1127	.57	20
Sodium	52427	SW19387	17	SW19387	16	263.6070	259.7700	1.5	20
Vanadium	52427	SW19387	18	SW19387	17	0.5815	0.5825	.16	20
Zinc	52427	SW19387	18	SW19387	17	0.6189	0.6194	.083	20

- a-Indicates Rpd Failed the criteria
- b-Method Rep Out but concentrations < 5*RL
- c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52427

6051330 0056

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91363-003						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Aluminum	52427	SW19387	23	SW19387	15	5	0.1834	0.7507	22 a	10
Barium	52427	SW19387	23	SW19387	15	5	0.0188	0.0937	0.37	10
Calcium	52427	SW19387	23	SW19387	15	5	16.0374	79.1752	1.3	10
Chromium	52427	SW19387	23	SW19387	15	5	-0.0004	-0.0003	---	10
Copper	52427	SW19387	23	SW19387	15	5	0.0024	0.0125	2.8	10
Iron	52427	SW19387	23	SW19387	15	5	0.6528	3.2015	2	10
Magnesium	52427	SW19387	23	SW19387	15	5	1.8808	9.3614	0.46	10
Manganese	52427	SW19387	23	SW19387	15	5	1.0786	5.2309	3.1	10
Nickel	52427	SW19387	23	SW19387	15	5	0.0008	0.0058	33 c	10
Potassium	52427	SW19387	22	SW19387	14	5	3.7974	19.1420	0.81	10
Silver	52427	SW19387	23	SW19387	15	5	0.0009	0.0018	142 c	10
Sodium	52427	SW19387	22	SW19387	14	5	42.8345	211.4710	1.3	10
Vanadium	52427	SW19387	23	SW19387	15	5	0.0041	0.0190	8.9	10
Zinc	52427	SW19387	23	SW19387	15	5	0.0110	0.0468	17 a	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52427

6051330 0057

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: AQUEOUS		SampleID: LCSW MR 52427					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52427	SW51816	18	SW51816	17	265.5540	277.9060	4.5	20
Arsenic	52427	SW51816	18	SW51816	17	277.7020	278.1460	.16	20
Beryllium	52427	SW51816	18	SW51816	17	284.6170	297.0380	4.3	20
Cadmium	52427	SW51816	18	SW51816	17	265.2320	277.3560	4.5	20
Cobalt	52427	SW51816	18	SW51816	17	285.3580	286.0170	.23	20
Lead	52427	SW51816	18	SW51816	17	261.1930	274.8940	5.1	20
Selenium	52427	SW51816	18	SW51816	17	283.4880	278.3240	1.8	20
Thallium	52427	SW51816	18	SW51816	17	262.5720	273.6660	4.1	20

TxtQcType: MR		Matrix: AQUEOUS		SampleID: AC91363-003					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52427	SW51816	20	SW51816	19	1.5U	1.5U	---	20
Arsenic	52427	SW51816	20	SW51816	19	1.6150	1.6440	1.8	20
Beryllium	52427	SW51816	20	SW51816	19	0.5U	0.5U	---	20
Cadmium	52427	SW51816	20	SW51816	19	1U	1U	---	20
Cobalt	52427	SW51816	20	SW51816	19	2.5000	2.6550	6	20
Lead	52427	SW51816	20	SW51816	19	3.2390	3.3530	3.5	20
Selenium	52427	SW51816	20	SW51816	19	5U	5U	---	20
Thallium	52427	SW51816	20	SW51816	19	1U	1.2630	---	20

TxtQcType: MSD		Matrix: AQUEOUS		SampleID: AC91363-003					
Analyte	BatchId	Data Fil	Seq#	MS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52427	SW51816	23	SW51816	22	271.5450	253.3510	6.9	20
Arsenic	52427	SW51816	23	SW51816	22	279.0640	261.8580	6.4	20
Beryllium	52427	SW51816	23	SW51816	22	279.3500	261.6120	6.6	20
Cadmium	52427	SW51816	23	SW51816	22	266.9270	249.6520	6.7	20
Cobalt	52427	SW51816	23	SW51816	22	283.7060	261.8670	8	20
Lead	52427	SW51816	23	SW51816	22	267.1740	250.4710	6.5	20
Selenium	52427	SW51816	23	SW51816	22	275.4120	262.6460	4.7	20
Thallium	52427	SW51816	23	SW51816	22	263.4980	246.1530	6.8	20

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91363-003						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Antimony	52427	SW51816	21	SW51816	19	5	0.0700	0.4620	24 c	10
Arsenic	52427	SW51816	21	SW51816	19	5	0.2870	1.6440	13 a	10
Beryllium	52427	SW51816	21	SW51816	19	5	0.0490	0.2440	0.41	10
Cadmium	52427	SW51816	21	SW51816	19	5	0.0340	0.1480	15 c	10
Cobalt	52427	SW51816	21	SW51816	19	5	0.5300	2.6550	0.19	10
Lead	52427	SW51816	21	SW51816	19	5	0.6840	3.3530	2	10
Selenium	52427	SW51816	21	SW51816	19	5	0.2390	1.9660	39 c	10
Thallium	52427	SW51816	21	SW51816	19	5	0.1720	1.2630	32 c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL



Hampton-Clarke

Analytical & Field Services

Last Page of Report

Project: Dzus

Client PO: 60277021

Report To: AECOM
100 Red School House Rd.
Suite B-1
Chestnut Ridge, NY 10977

Attn: Paul Kareth

Received Date: 5/23/2016

Report Date: 6/13/2016

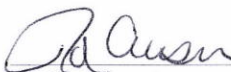
Deliverables: NYDOH-CatA

Lab ID: AC91487

Lab Project No: 6052401

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Hampton-Clarke to all parties shall not exceed Hampton-Clarke's total fee for analytical services rendered.



Robin Cousineau - Quality Assurance Director

OR

Jean Revolus - Laboratory Director

NJ (07071)
PA (68-00463)

NY (ELAP11408)
KY (90124)

CT (PH-0671)





**THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 102**

HC Case Narrative

Client: AECOM
Project: Dzus

HC Project: 6052401

Hampton-Clarke (HC) received the following samples on 5/23/16:

Client ID	HC Sample ID	Matrix	Analysis
SW-1	AC91487-001	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-2	AC91487-002	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-3	AC91487-003	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-4	AC91487-004	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-5	AC91487-005	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-6	AC91487-006	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-7	AC91487-007	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-4 MS	AC91487-008	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SW-4 MSD	AC91487-009	Aqueous	TAL Metals (6010C & 6020A), Mercury (7470A)
SED-1	AC91487-010	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-2	AC91487-011	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-3	AC91487-012	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-4	AC91487-013	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-5	AC91487-014	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-6	AC91487-015	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-7	AC91487-016	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-2 MS	AC91487-017	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)
SED-2 MSD	AC91487-018	Sediment	TAL Metals (6010C & 6020A), Mercury (7471B), % Solids (2540G)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Metals Analysis:

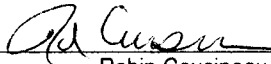
The Matrix Spike and/or Matrix Spike Duplicate for batches 52465 and 52483 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 52483. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batches 52465 and 52483. Please refer to the applicable Form 6/9 for the recoveries.

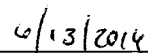
The serial dilution for batches 52464 and 52465 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

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 has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Robin Cousineau
Quality Assurance Director

Or

Jean Revulus
Laboratory Director


Date

1a) Customer:
Address:
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to:
1d) Send Report to:

Customer Information
PA1 KARETH
AETERN

2a) Project:
2b) Project Mgr:
2c) Project Location (City/State):
2d) Quote/PO # (if Applicable):

Project Information
SAPAC
AS
Proctor

FOR LAB USE ONLY		7) Analysis (specify methods & parameter lists)										8) # of Bottles										9) Comments					
Batch #		Matrix Codes DW - Drinking Water S - Soil A - Air GW - Ground Water SL - Sludge WW - Waste Water OL - Oil OT - Other (please specify under item 9, Comments)										Sample Type										None MeOH En Core NaOH HCl H2SO4 HNO3 Other:					
Lab Sample #		4) Customer Sample ID	5) Matrix	6) Sample		Composite (C)		Grab (G)																			
				Date	Time																						
Ac911487		5/24	SE0-1	S	5/20	11:15		X		CADMIUM																	
011-002		SE0-2				11:30		X												1							
012		SE0-3				12:15		X												1							
013		SE0-4				12:00		X												1							
014		SE0-5				10:30		X												1							
015		SE0-6				9:30		X												1							
016		SE0-7				12:00		X												1							
017		SE0-2MS				11:30		X												1							
018		SE0-2MS0				11:36		X												1							

10) Relinquished by:

Accepted by:

Date

Time

5/23/16

11:13

5/23/16

11:11

Additional Notes

11) Sampler (print name):

Date:

2-7

Cooler Temperature

PROJECT MODIFICATIONS

Client: AECOM-CRNY

HC Project #: 6052401

Project: Dzus

sherree192.168.1.210
5/26/2016 11:15:53 AM

Per Paul Kareth, all samples were taken on 5/20/16. SB 5/26/16

sherree192.168.1.210
5/27/2016 3:05:29 PM

Per Paul Kareth, change the COC analyses for surface water and sediment samples collected on May 20, 2016 to TAL metals (COC incorrectly listed the analysis as cadmium only). The job number is 6052401. SB 5/27/16

CONDITION UPON RECEIPT

Batch Number AC91487

Entered By: maxwell

Date Entered 5/24/2016 8:13:00 AM

-
- 1 Yes Is there a corresponding COC included with the samples?
 - 2 Yes Are the samples in a container such as a cooler or Ice chest?
 - 3 NO Are the COC seals intact?
 - 4 T0054 <--- Thermometer ID. Please specify the Temperature inside the container (in degC).
2.7
 - 5 Yes Are the samples refrigerated (where required)/have they arrived on ice?
 - 6 Yes Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
 - 7 Yes Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
 - 8 Yes Are all of the sample labels or numbers legible? If no specify:
 - 9 Yes Do the contents match the COC? If no, specify
 - 10 Yes Is there enough sample sent for the analyses listed on the COC? If no, specify:
 - 11 Yes Are samples preserved correctly?
 - 12 Yes Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
 - 13 NA Other comments ...Specify
 - 14 NA Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC91487

Entered By: maxwell

Date Entered 5/24/2016 8:13:00 AM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AC91487-001	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-002	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-003	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-004	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-005	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-006	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-007	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-008	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-009	1L	P	METALS	HNO3	133293	1	HC57767
AC91487-010	NA	NA	NA	NA	NA	NA	NA
AC91487-011	NA	NA	NA	NA	NA	NA	NA
AC91487-012	NA	NA	NA	NA	NA	NA	NA
AC91487-013	NA	NA	NA	NA	NA	NA	NA
AC91487-014	NA	NA	NA	NA	NA	NA	NA
AC91487-015	NA	NA	NA	NA	NA	NA	NA
AC91487-016	NA	NA	NA	NA	NA	NA	NA
AC91487-017	NA	NA	NA	NA	NA	NA	NA
AC91487-018	NA	NA	NA	NA	NA	NA	NA

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis
AC91487-001	05/23/16 17:41	MAXW	0	M	Received	AC91487-011	05/24/16 08:13	MAXW	0	M	Login
AC91487-001	05/24/16 08:13	MAXW	0	M	Login	AC91487-011	05/24/16 08:37	R12	1	A	NONE
AC91487-001	05/24/16 08:37	R12	1	A	NONE	AC91487-011	05/24/16 22:38	PA	1	A	mix
AC91487-001	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-011	05/24/16 22:39	R12	1	A	NONE
AC91487-001	05/27/16 05:41	SP	1	A	r12	AC91487-011	05/25/16 07:56	BCT	1	A	%solids
AC91487-001	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-011	05/25/16 15:59	R12	1	A	NONE
AC91487-001	06/01/16 10:02	R12	1	A	NONE	AC91487-011	05/27/16 11:20	AM	1	A	TDSI
AC91487-002	05/23/16 17:41	MAXW	0	M	Received	AC91487-011	05/27/16 11:21	R12	1	A	NONE
AC91487-002	05/24/16 08:13	MAXW	0	M	Login	AC91487-011	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-002	05/24/16 08:37	R12	1	A	NONE	AC91487-011	05/31/16 10:53	R12	1	A	NONE
AC91487-002	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-012	05/23/16 17:41	MAXW	0	M	Received
AC91487-002	05/27/16 05:41	SP	1	A	r12	AC91487-012	05/24/16 08:13	MAXW	0	M	Login
AC91487-002	06/01/16 10:02	R12	1	A	NONE	AC91487-012	05/24/16 08:37	R12	1	A	NONE
AC91487-002	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-012	05/24/16 22:38	PA	1	A	mix
AC91487-003	05/23/16 17:41	MAXW	0	M	Received	AC91487-012	05/24/16 22:39	R12	1	A	NONE
AC91487-003	05/24/16 08:13	MAXW	0	M	Login	AC91487-012	05/25/16 07:56	BCT	1	A	%solids
AC91487-003	05/24/16 08:37	R12	1	A	NONE	AC91487-012	05/25/16 15:59	R12	1	A	NONE
AC91487-003	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-012	05/27/16 11:20	AM	1	A	TDSI
AC91487-003	05/27/16 05:41	SP	1	A	r12	AC91487-012	05/27/16 11:21	R12	1	A	NONE
AC91487-003	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-012	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-003	06/01/16 10:02	R12	1	A	NONE	AC91487-012	05/31/16 10:53	R12	1	A	NONE
AC91487-004	05/23/16 17:41	MAXW	0	M	Received	AC91487-013	05/23/16 17:41	MAXW	0	M	Received
AC91487-004	05/24/16 08:13	MAXW	0	M	Login	AC91487-013	05/24/16 08:13	MAXW	0	M	Login
AC91487-004	05/24/16 08:37	R12	1	A	NONE	AC91487-013	05/24/16 08:37	R12	1	A	NONE
AC91487-004	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-013	05/24/16 22:38	PA	1	A	mix
AC91487-004	05/27/16 05:41	SP	1	A	r12	AC91487-013	05/24/16 22:39	R12	1	A	NONE
AC91487-004	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-013	05/25/16 07:56	BCT	1	A	%solids
AC91487-004	06/01/16 10:02	R12	1	A	NONE	AC91487-013	05/25/16 15:59	R12	1	A	NONE
AC91487-005	05/23/16 17:41	MAXW	0	M	Received	AC91487-013	05/27/16 11:20	AM	1	A	TDSI
AC91487-005	05/24/16 08:13	MAXW	0	M	Login	AC91487-013	05/27/16 11:21	R12	1	A	NONE
AC91487-005	05/24/16 08:37	R12	1	A	NONE	AC91487-013	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-005	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-013	05/31/16 10:53	R12	1	A	NONE
AC91487-005	05/27/16 05:41	SP	1	A	r12	AC91487-014	05/23/16 17:41	MAXW	0	M	Received
AC91487-005	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-014	05/24/16 08:13	MAXW	0	M	Login
AC91487-005	06/01/16 10:02	R12	1	A	NONE	AC91487-014	05/24/16 08:37	R12	1	A	NONE
AC91487-006	05/23/16 17:41	MAXW	0	M	Received	AC91487-014	05/24/16 22:38	PA	1	A	mix
AC91487-006	05/24/16 08:13	MAXW	0	M	Login	AC91487-014	05/24/16 22:39	R12	1	A	NONE
AC91487-006	05/24/16 08:37	R12	1	A	NONE	AC91487-014	05/25/16 07:56	BCT	1	A	%solids
AC91487-006	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-014	05/25/16 15:59	R12	1	A	NONE
AC91487-006	05/27/16 05:41	SP	1	A	r12	AC91487-014	05/27/16 11:20	AM	1	A	TDSI
AC91487-006	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-014	05/27/16 11:21	R12	1	A	NONE
AC91487-006	06/01/16 10:02	R12	1	A	NONE	AC91487-014	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-007	05/23/16 17:41	MAXW	0	M	Received	AC91487-014	05/31/16 10:53	R12	1	A	NONE
AC91487-007	05/24/16 08:13	MAXW	0	M	Login	AC91487-015	05/23/16 17:41	MAXW	0	M	Received
AC91487-007	05/24/16 08:37	R12	1	A	NONE	AC91487-015	05/24/16 08:13	MAXW	0	M	Login
AC91487-007	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-015	05/24/16 08:37	R12	1	A	NONE
AC91487-007	05/27/16 05:41	SP	1	A	r12	AC91487-015	05/24/16 22:38	PA	1	A	mix
AC91487-007	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-015	05/24/16 22:39	R12	1	A	NONE
AC91487-007	06/01/16 10:02	R12	1	A	NONE	AC91487-015	05/25/16 07:56	BCT	1	A	%solids
AC91487-008	05/23/16 17:41	MAXW	0	M	Received	AC91487-015	05/25/16 15:59	R12	1	A	NONE
AC91487-008	05/24/16 08:13	MAXW	0	M	Login	AC91487-015	05/27/16 11:20	AM	1	A	TDSI
AC91487-008	05/24/16 08:37	R12	1	A	NONE	AC91487-015	05/27/16 11:21	R12	1	A	NONE
AC91487-008	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-015	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-008	05/27/16 05:41	SP	1	A	r12	AC91487-015	05/31/16 10:53	R12	1	A	NONE
AC91487-008	06/01/16 10:02	R12	1	A	NONE	AC91487-016	05/23/16 17:41	MAXW	0	M	Received
AC91487-008	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-016	05/24/16 08:13	MAXW	0	M	Login
AC91487-009	05/23/16 17:41	MAXW	0	M	Received	AC91487-016	05/24/16 08:37	R12	1	A	NONE
AC91487-009	05/24/16 08:13	MAXW	0	M	Login	AC91487-016	05/24/16 22:38	PA	1	A	mix
AC91487-009	05/24/16 08:37	R12	1	A	NONE	AC91487-016	05/24/16 22:39	R12	1	A	NONE
AC91487-009	05/27/16 05:40	SP	1	A	tdwi-hg	AC91487-016	05/25/16 07:56	BCT	1	A	%solids
AC91487-009	05/27/16 05:41	SP	1	A	r12	AC91487-016	05/25/16 15:59	R12	1	A	NONE
AC91487-009	06/01/16 10:02	AM	1	A	TDWI/HG	AC91487-016	05/27/16 11:20	AM	1	A	TDSI
AC91487-009	06/01/16 10:02	R12	1	A	NONE	AC91487-016	05/27/16 11:21	R12	1	A	NONE
AC91487-010	05/23/16 17:41	MAXW	0	M	Received	AC91487-016	05/31/16 10:52	AM	1	A	TDSI/HG
AC91487-010	05/24/16 08:13	MAXW	0	M	Login	AC91487-016	05/31/16 10:53	R12	1	A	NONE
AC91487-010	05/24/16 08:37	R12	1	A	NONE	AC91487-017	05/23/16 17:41	MAXW	0	M	Received
AC91487-010	05/24/16 22:38	PA	1	A	mix	AC91487-017	05/24/16 08:13	MAXW	0	M	Login
AC91487-010	05/24/16 22:39	R12	1	A	NONE	AC91487-017	05/24/16 08:37	R12	1	A	NONE
AC91487-010	05/25/16 07:56	BCT	1	A	%solids	AC91487-017	05/24/16 22:38	PA	1	A	mix
AC91487-010	05/25/16 15:59	R12	1	A	NONE	AC91487-017	05/24/16 22:39	R12	1	A	NONE
AC91487-010	05/27/16 11:20	AM	1	A	TDSI	AC91487-017	05/25/16 07:56	BCT	1	A	%solids
AC91487-010	05/27/16 11:21	R12	1	A	NONE	AC91487-017	05/25/16 15:59	R12	1	A	NONE
AC91487-010	05/31/16 10:52	AM	1	A	TDSI/HG	AC91487-017	05/27/16 11:20	AM	1	A	TDSI
AC91487-010	05/31/16 10:53	R12	1	A	NONE	AC91487-017	05/27/16 11:21	R12	1	A	NONE
AC91487-011	05/23/16 17:41	MAXW	0	M	Received	AC91487-017	05/31/16 10:52	AM	1	A	TDSI/HG

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu	A/ M	Analysis
AC91487-017	05/31/16 10:53	R12	1	A	NONE						
AC91487-018	05/23/16 17:41	MAXW	0	M	Received						
AC91487-018	05/24/16 08:13	MAXW	0	M	Login						
AC91487-018	05/24/16 08:37	R12	1	A	NONE						
AC91487-018	05/24/16 22:38	PA	1	A	mix						
AC91487-018	05/24/16 22:39	R12	1	A	NONE						
AC91487-018	05/25/16 07:56	BCT	1	A	%solids						
AC91487-018	05/25/16 15:59	R12	1	A	NONE						
AC91487-018	05/27/16 11:20	AM	1	A	TDSI						
AC91487-018	05/27/16 11:21	R12	1	A	NONE						
AC91487-018	05/31/16 10:52	AM	1	A	TDSI/HG						
AC91487-018	05/31/16 10:53	R12	1	A	NONE						

Laboratory Chronicle

Client: AECOM

HC Project #: 6052401

Project: Dzus

Lab#: AC91487-001

Sample ID: SW-1

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:46	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:13	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:37	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 12:57	SRB

Lab#: AC91487-002

Sample ID: SW-2

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:47	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:16	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:41	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 13:02	SRB

Lab#: AC91487-003

Sample ID: SW-3

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:49	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:44	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:20	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 13:08	SRB

Lab#: AC91487-004

Sample ID: SW-4

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:39	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/27/16 21:36	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 15:22	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 11:58	SRB

Laboratory Chronicle

6052401 0010

Client: AECOM

HC Project #: 6052401

Project: Dzus

Lab#: AC91487-005

Sample ID: SW-5

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:53	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:23	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:48	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 13:14	SRB

Lab#: AC91487-006

Sample ID: SW-6

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:55	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:26	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:52	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 13:20	SRB

Lab#: AC91487-007

Sample ID: SW-7

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:56	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 11:28	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 16:55	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 13:26	SRB

Lab#: AC91487-008

Sample ID: SW-4 MS

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:42	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/27/16 21:42	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 15:29	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 12:16	SRB

Laboratory Chronicle

6052401 0011

Client: AECOM

HC Project #: 6052401

Project: Dzus

Lab#: AC91487-009

Sample ID: SW-4 MSD

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	06/01/16	aadewusi	EPA 7470A	6/3/16 11:44	OA
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/27/16 21:45	SRB
TAL Metals 6010	3005&10/3050	05/27/16	snezana	EPA 6010C	5/31/16 15:34	SRB
TAL Metals 6020	3005&10/3050	05/27/16	snezana	EPA 6020A	5/27/16 12:21	SRB

Lab#: AC91487-010

Sample ID: SED-1

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:22	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:34	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 14:58	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:35	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:07	PC

Lab#: AC91487-011

Sample ID: SED-2

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:16	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 14:26	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:02	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 11:53	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 17:10	PC

Lab#: AC91487-012

Sample ID: SED-3

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:26	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:38	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 15:02	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:38	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:13	PC

Laboratory Chronicle

6052401 0012

Client: AECOM

HC Project #: 6052401

Project: Dzus

Lab#: AC91487-013

Sample ID: SED-4

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:27	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 15:05	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:42	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:41	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:19	PC

Lab#: AC91487-014

Sample ID: SED-5

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:29	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:45	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 15:09	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:46	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:24	PC

Lab#: AC91487-015

Sample ID: SED-6

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:30	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 15:30	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 21:09	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:30	PC

Lab#: AC91487-016

Sample ID: SED-7

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:31	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 15:34	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 21:12	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 18:36	PC

Laboratory Chronicle

6052401 0013

Client: AECOM

HC Project #: 6052401

Project: Dzus

Lab#: AC91487-017

Sample ID: SED-2 MS

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:18	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 14:33	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:09	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:00	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 17:27	PC

Lab#: AC91487-018

Sample ID: SED-2 MSD

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/25/16 00:00	jessica
Mercury (Soil/Waste) 7471A	EPA 7471B	05/31/16	aadewusi	EPA 7471B	6/3/16 12:20	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 12:04	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 14:37	OA
TAL Metals 6010	3005&10/3050	05/31/16	aadewusi	EPA 6010C	6/1/16 20:12	OA
TAL Metals 6020	3005&10/3050	05/27/16	aadewusi	EPA 6020A	5/27/16 17:33	PC

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

- A-** Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.
- B-** Indicates analyte was present in the Method Blank and sample.
- d-** For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.
- E-** Indicates the concentration exceeded the upper calibration range of the instrument.
- J-** Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.
- R-** Retention Time is out.
- Y-** Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: AECOM

HC Project #: 6052401

Project: Dzus

Sample ID: SW-1

Collection Date: 5/20/2016

Lab#: AC91487-001

Receipt Date: 5/23/2016

Matrix: Aqueous

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	15000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	540
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	23000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-2
 Lab#: AC91487-002
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	300
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1100
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	410
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	21000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	2.7
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	9.1
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-3
 Lab#: AC91487-003
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	14000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	130
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	22000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-4
 Lab#: AC91487-004
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	16000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	150
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	23000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-5
 Lab#: AC91487-005
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	1700
Barium	1	ug/l	50	82
Calcium	1	ug/l	5000	16000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	24000
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	3100
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	24000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	100

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	5.3
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	27
Cobalt	1	ug/l	2.0	5.2
Lead	1	ug/l	3.0	53
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-6
 Lab#: AC91487-006
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	420
Barium	1	ug/l	50	59
Calcium	1	ug/l	5000	30000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	38000
Magnesium	1	ug/l	5000	5000
Manganese	1	ug/l	40	3800
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	33000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	97

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	4.7
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	4.4
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-7
 Lab#: AC91487-007
 Matrix: Aqueous

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	ND
Calcium	1	ug/l	5000	15000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	ND
Manganese	1	ug/l	40	140
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	24000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: SW-4 MS
 Lab#: AC91487-008
 Matrix: Aqueous

Collection Date: 5/20/2016

Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	11

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	5200
Barium	1	ug/l	50	510
Calcium	1	ug/l	5000	66000
Chromium	1	ug/l	50	510
Copper	1	ug/l	50	510
Iron	1	ug/l	300	5200
Magnesium	1	ug/l	5000	54000
Manganese	1	ug/l	40	660
Nickel	1	ug/l	50	500
Potassium	1	ug/l	5000	49000
Silver	1	ug/l	20	100
Sodium	1	ug/l	5000	71000
Vanadium	1	ug/l	50	510
Zinc	1	ug/l	50	510

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	470
Arsenic	1	ug/l	2.0	460
Beryllium	1	ug/l	1.0	490
Cadmium	1	ug/l	2.0	470
Cobalt	1	ug/l	2.0	430
Lead	1	ug/l	3.0	470
Selenium	1	ug/l	10	450
Thallium	1	ug/l	2.0	460

Sample ID: SW-4 MSD
 Lab#: AC91487-009
 Matrix: Aqueous

Collection Date: 5/20/2016

Receipt Date: 5/23/2016

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.70	11

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	5100
Barium	1	ug/l	50	510
Calcium	1	ug/l	5000	66000
Chromium	1	ug/l	50	500
Copper	1	ug/l	50	500
Iron	1	ug/l	300	5300
Magnesium	1	ug/l	5000	53000
Manganese	1	ug/l	40	670
Nickel	1	ug/l	50	500
Potassium	1	ug/l	5000	49000
Silver	1	ug/l	20	99
Sodium	1	ug/l	5000	72000
Vanadium	1	ug/l	50	500
Zinc	1	ug/l	50	510

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	480
Arsenic	1	ug/l	2.0	470
Beryllium	1	ug/l	1.0	500
Cadmium	1	ug/l	2.0	470
Cobalt	1	ug/l	2.0	450
Lead	1	ug/l	3.0	470
Selenium	1	ug/l	10	460
Thallium	1	ug/l	2.0	460

Sample ID: SED-1
 Lab#: AC91487-010
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		23

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.36	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	870	7800
Barium	1	mg/kg	43	170
Calcium	1	mg/kg	4300	5800
Chromium	1	mg/kg	22	37
Cobalt	1	mg/kg	11	17
Copper	1	mg/kg	22	96
Iron	1	mg/kg	870	33000
Lead	1	mg/kg	22	200
Magnesium	1	mg/kg	2200	2600
Manganese	1	mg/kg	43	2500
Nickel	1	mg/kg	22	24
Potassium	1	mg/kg	2200	ND
Sodium	1	mg/kg	1100	ND
Vanadium	1	mg/kg	43	70
Zinc	1	mg/kg	43	410

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	3.5	ND
Arsenic	1	mg/kg	0.87	17
Beryllium	1	mg/kg	0.87	ND
Cadmium	1	mg/kg	1.7	63
Selenium	1	mg/kg	8.7	ND
Silver	1	mg/kg	0.87	ND
Thallium	1	mg/kg	1.7	ND

Sample ID: SED-2
 Lab#: AC91487-011
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		18

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.46	0.51

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	1100	13000
Barium	1	mg/kg	56	230
Calcium	1	mg/kg	5600	ND
Chromium	1	mg/kg	28	72
Cobalt	1	mg/kg	14	19
Copper	1	mg/kg	28	140
Iron	1	mg/kg	1100	24000
Lead	1	mg/kg	28	600
Magnesium	1	mg/kg	2800	ND
Manganese	1	mg/kg	56	2600
Nickel	1	mg/kg	28	30
Potassium	1	mg/kg	2800	ND
Sodium	1	mg/kg	1400	ND
Vanadium	1	mg/kg	56	83
Zinc	1	mg/kg	56	770

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	4.4	ND
Arsenic	1	mg/kg	1.1	25
Beryllium	1	mg/kg	1.1	ND
Cadmium	1	mg/kg	2.2	140
Selenium	1	mg/kg	11	ND
Silver	1	mg/kg	1.1	ND
Thallium	1	mg/kg	2.2	ND

Sample ID: SED-3
 Lab#: AC91487-012
 Matrix: Sediment

Collection Date: 5/20/2016

Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		18

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.46	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	1100	15000
Barium	1	mg/kg	56	130
Calcium	1	mg/kg	5600	ND
Chromium	1	mg/kg	28	57
Cobalt	1	mg/kg	14	32
Copper	1	mg/kg	28	160
Iron	1	mg/kg	1100	26000
Lead	1	mg/kg	28	350
Magnesium	1	mg/kg	2800	ND
Manganese	1	mg/kg	56	1600
Nickel	1	mg/kg	28	38
Potassium	1	mg/kg	2800	ND
Sodium	1	mg/kg	1400	ND
Vanadium	1	mg/kg	56	60
Zinc	1	mg/kg	56	630

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	4.4	ND
Arsenic	1	mg/kg	1.1	8.3
Beryllium	1	mg/kg	1.1	ND
Cadmium	1	mg/kg	2.2	90
Selenium	1	mg/kg	11	ND
Silver	1	mg/kg	1.1	ND
Thallium	1	mg/kg	2.2	ND

Sample ID: SED-4
 Lab#: AC91487-013
 Matrix: Sediment

Collection Date: 5/20/2016

Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		54

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.15	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	370	1900
Barium	1	mg/kg	19	19
Calcium	1	mg/kg	1900	ND
Chromium	1	mg/kg	9.3	ND
Cobalt	1	mg/kg	4.6	6.3
Copper	1	mg/kg	9.3	21
Iron	1	mg/kg	370	4300
Lead	1	mg/kg	9.3	43
Magnesium	1	mg/kg	930	ND
Manganese	1	mg/kg	19	180
Nickel	1	mg/kg	9.3	ND
Potassium	1	mg/kg	930	ND
Sodium	1	mg/kg	460	ND
Vanadium	1	mg/kg	19	ND
Zinc	1	mg/kg	19	110

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	1.5	ND
Arsenic	1	mg/kg	0.37	4.3
Beryllium	1	mg/kg	0.37	ND
Cadmium	1	mg/kg	0.74	49
Selenium	1	mg/kg	3.7	ND
Silver	1	mg/kg	0.37	ND
Thallium	1	mg/kg	0.74	ND

Sample ID: SED-5
 Lab#: AC91487-014
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		22

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.38	0.73

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	910	9900
Barium	1	mg/kg	45	150
Calcium	1	mg/kg	4500	13000
Chromium	1	mg/kg	23	64
Cobalt	1	mg/kg	11	20
Copper	1	mg/kg	23	210
Iron	1	mg/kg	910	42000
Lead	1	mg/kg	23	350
Magnesium	1	mg/kg	2300	2500
Manganese	1	mg/kg	45	670
Nickel	1	mg/kg	23	32
Potassium	1	mg/kg	2300	ND
Sodium	1	mg/kg	1100	ND
Vanadium	1	mg/kg	45	130
Zinc	1	mg/kg	45	700

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	3.6	ND
Arsenic	1	mg/kg	0.91	18
Beryllium	1	mg/kg	0.91	ND
Cadmium	1	mg/kg	1.8	140
Selenium	1	mg/kg	9.1	ND
Silver	1	mg/kg	0.91	ND
Thallium	1	mg/kg	1.8	ND

Sample ID: SED-6
 Lab#: AC91487-015
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		68

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	290	3700
Barium	1	mg/kg	15	28
Calcium	1	mg/kg	1500	5200
Chromium	1	mg/kg	7.4	33
Cobalt	1	mg/kg	3.7	ND
Copper	1	mg/kg	7.4	54
Iron	1	mg/kg	290	11000
Lead	1	mg/kg	7.4	57
Magnesium	1	mg/kg	740	2200
Manganese	1	mg/kg	15	100
Nickel	1	mg/kg	7.4	9.7
Potassium	1	mg/kg	740	ND
Sodium	1	mg/kg	370	ND
Vanadium	1	mg/kg	15	23
Zinc	1	mg/kg	15	300

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	1.2	ND
Arsenic	1	mg/kg	0.29	2.7
Beryllium	1	mg/kg	0.29	ND
Cadmium	1	mg/kg	0.59	1.4
Selenium	1	mg/kg	2.9	ND
Silver	1	mg/kg	0.29	ND
Thallium	1	mg/kg	0.59	ND

Sample ID: SED-7
 Lab#: AC91487-016
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		62

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.13	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	320	1400
Barium	1	mg/kg	16	22
Calcium	1	mg/kg	1600	ND
Chromium	1	mg/kg	8.1	ND
Cobalt	1	mg/kg	4.0	6.5
Copper	1	mg/kg	8.1	15
Iron	1	mg/kg	320	4200
Lead	1	mg/kg	8.1	33
Magnesium	1	mg/kg	810	ND
Manganese	1	mg/kg	16	290
Nickel	1	mg/kg	8.1	ND
Potassium	1	mg/kg	810	ND
Sodium	1	mg/kg	400	ND
Vanadium	1	mg/kg	16	ND
Zinc	1	mg/kg	16	100

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	1.3	ND
Arsenic	1	mg/kg	0.32	1.8
Beryllium	1	mg/kg	0.32	ND
Cadmium	1	mg/kg	0.65	18
Selenium	1	mg/kg	3.2	ND
Silver	1	mg/kg	0.32	ND
Thallium	1	mg/kg	0.65	ND

Sample ID: SED-2 MS
 Lab#: AC91487-017
 Matrix: Sediment

Collection Date: 5/20/2016

Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		25

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.33	7.5

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	800	16000
Barium	1	mg/kg	40	380
Calcium	1	mg/kg	4000	25000
Chromium	1	mg/kg	20	250
Cobalt	1	mg/kg	10	220
Copper	1	mg/kg	20	320
Iron	1	mg/kg	800	23000
Lead	1	mg/kg	20	750
Magnesium	1	mg/kg	2000	23000
Manganese	1	mg/kg	40	2400
Nickel	1	mg/kg	20	230
Potassium	1	mg/kg	2000	20000
Sodium	1	mg/kg	1000	21000
Vanadium	1	mg/kg	40	270
Zinc	1	mg/kg	40	870

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	3.2	100
Arsenic	1	mg/kg	0.80	230
Beryllium	1	mg/kg	0.80	180
Cadmium	1	mg/kg	1.6	390
Selenium	1	mg/kg	8.0	200
Silver	1	mg/kg	0.80	35
Thallium	1	mg/kg	1.6	170

Sample ID: SED-2 MSD
 Lab#: AC91487-018
 Matrix: Sediment

Collection Date: 5/20/2016
 Receipt Date: 5/23/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		16

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.52	12

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	1200	19000
Barium	1	mg/kg	62	580
Calcium	1	mg/kg	6200	38000
Chromium	1	mg/kg	31	360
Cobalt	1	mg/kg	16	350
Copper	1	mg/kg	31	500
Iron	1	mg/kg	1200	37000
Lead	1	mg/kg	31	720
Magnesium	1	mg/kg	3100	35000
Manganese	1	mg/kg	62	4600
Nickel	1	mg/kg	31	350
Potassium	1	mg/kg	3100	32000
Sodium	1	mg/kg	1600	32000
Vanadium	1	mg/kg	62	400
Zinc	1	mg/kg	62	1100

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	5.0	210
Arsenic	1	mg/kg	1.2	320
Beryllium	1	mg/kg	1.2	280
Cadmium	1	mg/kg	2.5	430
Selenium	1	mg/kg	13	290
Silver	1	mg/kg	1.2	54
Thallium	1	mg/kg	2.5	270

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-001
 Client Id: SW-1
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/24/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-70-2	Calcium	5000	15000	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7439-96-5	Manganese	40	540	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464 W19424B2	11	P	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-23-5	Sodium	5000	23000	1	50	50	05/31/16	52464 W19424B2	11	P	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/31/16	52464 W19424C2	37	P	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - Cold Vapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-001
 Client Id: SW-1
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/24/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	29	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-001
Client Id: SW-1
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/24/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471	H19431SW	18	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-002
 Client Id: SW-2
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	300	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7439-89-6	Iron	300	1100	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7439-96-5	Manganese	40	410	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464	W19424B2	12	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-23-5	Sodium	5000	21000	1	50	50	05/31/16	52464	W19424B2	12	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/31/16	52464	W19424C2	38	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-002
 Client Id: SW-2
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	2.7	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7439-92-1	Lead	3.0	9.1	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	30	MSMS2_7500SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-002
Client Id: SW-2
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471	H19431SW	19	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-003
 Client Id: SW-3
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-70-2	Calcium	5000	14000	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7439-96-5	Manganese	40	130	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464	W19424B2	13	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-23-5	Sodium	5000	22000	1	50	50	05/31/16	52464	W19424B2	13	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/31/16	52464	W19424C2	39	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-003
 Client Id: SW-3
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	31	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-003
Client Id: SW-3
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471H19431SW		20	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-004
 Client Id: SW-4
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-39-3	Barium	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-70-2	Calcium	5000	16000	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-47-3	Chromium	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-50-8	Copper	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7439-89-6	Iron	300	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7439-96-5	Manganese	40	150	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-02-0	Nickel	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	100	100	05/27/16	52464	W19424A2	14	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-23-5	Sodium	5000	23000	1	100	100	05/27/16	52464	W19424A2	14	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A
7440-66-6	Zinc	50	ND	1	100	100	05/31/16	52464	W19424C2	18	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-004
 Client Id: SW-4
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7440-38-2	Arsenic	2.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7440-41-7	Beryllium	1.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7440-43-9	Cadmium	2.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7440-48-4	Cobalt	2.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7439-92-1	Lead	3.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7782-49-2	Selenium	10	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA
7440-28-0	Thallium	2.0	ND	1	100	200	05/27/16	52464	SW52716A	19		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-004
Client Id: SW-4
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471H19431SW		14	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-005
 Client Id: SW-5
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	1700	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-39-3	Barium	50	82	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-70-2	Calcium	5000	16000	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7439-89-6	Iron	300	24000	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7439-96-5	Manganese	40	3100	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464	W19424B2	14	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-23-5	Sodium	5000	24000	1	50	50	05/31/16	52464	W19424B2	14	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A
7440-66-6	Zinc	50	100	1	50	50	05/31/16	52464	W19424C2	40	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-005
 Client Id: SW-5
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	5.3	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	27	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	5.2	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7439-92-1	Lead	3.0	53	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	32	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-005
Client Id: SW-5
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471	H19431SW	23	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-006
 Client Id: SW-6
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	420	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-39-3	Barium	50	59	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-70-2	Calcium	5000	30000	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7439-89-6	Iron	300	38000	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7439-95-4	Magnesium	5000	5000	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7439-96-5	Manganese	40	3800	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464	W19424B2	15	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-23-5	Sodium	5000	33000	1	50	50	05/31/16	52464	W19424B2	15	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A
7440-66-6	Zinc	50	97	1	50	50	05/31/16	52464	W19424C2	41	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-006
 Client Id: SW-6
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	4.7	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7439-92-1	Lead	3.0	4.4	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	33	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-006
Client Id: SW-6
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471H	19431SW	24	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-007
 Client Id: SW-7
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-70-2	Calcium	5000	15000	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7439-96-5	Manganese	40	140	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/31/16	52464	W19424B2	16	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-23-5	Sodium	5000	24000	1	50	50	05/31/16	52464	W19424B2	16	P	PEICPRAD2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/31/16	52464	W19424C2	42	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-007
 Client Id: SW-7
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	Ml	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7440-38-2	Arsenic	2.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7440-43-9	Cadmium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7439-92-1	Lead	3.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464	SW52716A	34	MS	MS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-007
Client Id: SW-7
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471H19431SW		25	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-008
 Client Id: SW-4 MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	5200	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-39-3	Barium	50	510	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-70-2	Calcium	5000	66000	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-47-3	Chromium	50	510	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-50-8	Copper	50	510	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7439-89-6	Iron	300	5200	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7439-95-4	Magnesium	5000	54000	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7439-96-5	Manganese	40	660	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-02-0	Nickel	50	500	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-09-7	Potassium	5000	49000	1	50	50	05/27/16	52464	W19424A2	16	P	PEICPRAD2A
7440-22-4	Silver	20	100	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-23-5	Sodium	5000	71000	1	50	50	05/27/16	52464	W19424A2	16	P	PEICPRAD2A
7440-62-2	Vanadium	50	510	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A
7440-66-6	Zinc	50	510	1	50	50	05/31/16	52464	W19424C2	20	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - Cold Vapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-008
 Client Id: SW-4 MS
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	470	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	460	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	490	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	470	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	430	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7439-92-1	Lead	3.0	470	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7782-49-2	Selenium	10	450	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	460	1	50	100	05/27/16	52464	SW52716A	22	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-008
Client Id: SW-4 MS
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7439-97-6	Mercury	0.70	11	1	25	25	06/03/16	52471H19431SW		16	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-009
 Client Id: SW-4 MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	5100	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-39-3	Barium	50	510	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-70-2	Calcium	5000	66000	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-47-3	Chromium	50	500	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-50-8	Copper	50	500	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7439-89-6	Iron	300	5300	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7439-95-4	Magnesium	5000	53000	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7439-96-5	Manganese	40	670	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-02-0	Nickel	50	500	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-09-7	Potassium	5000	49000	1	50	50	05/27/16	52464	W19424A2	17	P	PEICPRAD2A
7440-22-4	Silver	20	99	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-23-5	Sodium	5000	72000	1	50	50	05/27/16	52464	W19424A2	17	P	PEICPRAD2A
7440-62-2	Vanadium	50	500	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A
7440-66-6	Zinc	50	510	1	50	50	05/31/16	52464	W19424C2	21	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-009
 Client Id: SW-4 MSD
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.0	480	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	470	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	500	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	470	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	450	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7439-92-1	Lead	3.0	470	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7782-49-2	Selenium	10	460	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	460	1	50	100	05/27/16	52464	SW52716A	23	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: AC91487-009
Client Id: SW-4 MSD
Matrix: AQUEOUS
Level: LOW

% Solid: 0
Units: UG/L
Date Rec: 5/27/2016

Lab Name: Veritech
Lab Code:
Contract:

Nras No:
Sdg No:
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.70	11	1	25	25	06/03/16	52471H19431SW		17	CV	HGCV1A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-010
 Client Id: SED-1
 Matrix: SOIL
 Level: LOW

% Solid: 23
 Units: MG/KG
 Date Rec: 5/24/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	870	7800	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7440-39-3	Barium	43	170	1	0.5	50	06/01/16	52483	S19442D3	24	P	PEICP3A
7440-70-2	Calcium	4300	5800	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7440-47-3	Chromium	22	37	1	0.5	50	06/01/16	52483	S19442C3	26	P	PEICP3A
7440-48-4	Cobalt	11	17	1	0.5	50	06/01/16	52483	S19442C3	26	P	PEICP3A
7440-50-8	Copper	22	96	1	0.5	50	06/01/16	52483	S19442C3	26	P	PEICP3A
7439-89-6	Iron	870	33000	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7439-92-1	Lead	22	200	1	0.5	50	06/01/16	52483	S19442C3	26	P	PEICP3A
7439-95-4	Magnesium	2200	2600	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7439-96-5	Manganese	43	2500	1	0.5	50	06/01/16	52483	S19442C3	26	P	PEICP3A
7439-97-6	Mercury	0.36	ND	1	0.15	25	06/03/16	52483	H19442S	20	CV	HGCV2A
7440-02-0	Nickel	22	24	1	0.5	50	06/01/16	52483	S19442D3	24	P	PEICP3A
7440-09-7	Potassium	2200	ND	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7440-23-5	Sodium	1100	ND	1	0.5	50	06/01/16	52483	S19442F3	23	P	PEICPRAD3A
7440-62-2	Vanadium	43	70	1	0.5	50	06/01/16	52483	S19442D3	24	P	PEICP3A
7440-66-6	Zinc	43	410	1	0.5	50	06/01/16	52483	S19442D3	24	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-010
 Client Id: SED-1
 Matrix: SOIL
 Level: LOW

% Solid: 23
 Units: MG/KG
 Date Rec: 5/24/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.5	ND	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7440-38-2	Arsenic	0.87	17	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7440-41-7	Beryllium	0.87	ND	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7440-43-9	Cadmium	1.7	63	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7782-49-2	Selenium	8.7	ND	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7440-22-4	Silver	0.87	ND	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA
7440-28-0	Thallium	1.7	ND	1	0.5	100	05/27/16	52465	S052716A	29		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-011
 Client Id: SED-2
 Matrix: SOIL
 Level: LOW

% Solid: 18
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	1100	13000	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7440-39-3	Barium	56	230	1	1	100	06/01/16	52483	S19442D3	15	P	PEICP3A
7440-70-2	Calcium	5600	ND	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7440-47-3	Chromium	28	72	1	1	100	06/01/16	52483	S19442C3	15	P	PEICP3A
7440-48-4	Cobalt	14	19	1	1	100	06/01/16	52483	S19442C3	15	P	PEICP3A
7440-50-8	Copper	28	140	1	1	100	06/01/16	52483	S19442C3	15	P	PEICP3A
7439-89-6	Iron	1100	24000	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7439-92-1	Lead	28	600	1	1	100	06/01/16	52483	S19442C3	15	P	PEICP3A
7439-95-4	Magnesium	2800	ND	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7439-96-5	Manganese	56	2600	1	1	100	06/01/16	52483	S19442C3	15	P	PEICP3A
7439-97-6	Mercury	0.46	0.51	1	0.15	25	06/03/16	52483	H19442S	16	CV	HGCV2A
7440-02-0	Nickel	28	30	1	1	100	06/01/16	52483	S19442D3	15	P	PEICP3A
7440-09-7	Potassium	2800	ND	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7440-23-5	Sodium	1400	ND	1	1	100	06/01/16	52483	S19442F3	14	P	PEICPRAD3A
7440-62-2	Vanadium	56	83	1	1	100	06/01/16	52483	S19442D3	15	P	PEICP3A
7440-66-6	Zinc	56	770	1	1	100	06/01/16	52483	S19442D3	15	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-011
 Client Id: SED-2
 Matrix: SOIL
 Level: LOW

% Solid: 18
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	4.4	ND	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7440-38-2	Arsenic	1.1	25	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7440-41-7	Beryllium	1.1	ND	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7440-43-9	Cadmium	2.2	140	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7782-49-2	Selenium	11	ND	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7440-22-4	Silver	1.1	ND	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	
7440-28-0	Thallium	2.2	ND	1	0.5	100	05/27/16	52465	S052716A	19	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-012
 Client Id: SED-3
 Matrix: SOIL
 Level: LOW

% Solid: 18
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	1100	15000	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7440-39-3	Barium	56	130	1	0.5	50	06/01/16	52483	S19442D3	25	P	PEICP3A
7440-70-2	Calcium	5600	ND	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7440-47-3	Chromium	28	57	1	0.5	50	06/01/16	52483	S19442C3	27	P	PEICP3A
7440-48-4	Cobalt	14	32	1	0.5	50	06/01/16	52483	S19442C3	27	P	PEICP3A
7440-50-8	Copper	28	160	1	0.5	50	06/01/16	52483	S19442C3	27	P	PEICP3A
7439-89-6	Iron	1100	26000	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7439-92-1	Lead	28	350	1	0.5	50	06/01/16	52483	S19442C3	27	P	PEICP3A
7439-95-4	Magnesium	2800	ND	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7439-96-5	Manganese	56	1600	1	0.5	50	06/01/16	52483	S19442C3	27	P	PEICP3A
7439-97-6	Mercury	0.46	ND	1	0.15	25	06/03/16	52483	H19442S	23	CV	HGCV2A
7440-02-0	Nickel	28	38	1	0.5	50	06/01/16	52483	S19442D3	25	P	PEICP3A
7440-09-7	Potassium	2800	ND	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7440-23-5	Sodium	1400	ND	1	0.5	50	06/01/16	52483	S19442F3	24	P	PEICPRAD3A
7440-62-2	Vanadium	56	60	1	0.5	50	06/01/16	52483	S19442D3	25	P	PEICP3A
7440-66-6	Zinc	56	630	1	0.5	50	06/01/16	52483	S19442D3	25	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-012
 Client Id: SED-3
 Matrix: SOIL
 Level: LOW

% Solid: 18
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	4.4	ND	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7440-38-2	Arsenic	1.1	8.3	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7440-41-7	Beryllium	1.1	ND	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7440-43-9	Cadmium	2.2	90	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7782-49-2	Selenium	11	ND	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7440-22-4	Silver	1.1	ND	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	
7440-28-0	Thallium	2.2	ND	1	0.5	100	05/27/16	52465	S052716A	30	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-013
 Client Id: SED-4
 Matrix: SOIL
 Level: LOW

% Solid: 54
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	370	1900	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7440-39-3	Barium	19	19	1	0.5	50	06/01/16	52483	S19442D3	26	P	PEICP3A
7440-70-2	Calcium	1900	ND	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7440-47-3	Chromium	9.3	ND	1	0.5	50	06/01/16	52483	S19442C3	28	P	PEICP3A
7440-48-4	Cobalt	4.6	6.3	1	0.5	50	06/01/16	52483	S19442C3	28	P	PEICP3A
7440-50-8	Copper	9.3	21	1	0.5	50	06/01/16	52483	S19442C3	28	P	PEICP3A
7439-89-6	Iron	370	4300	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7439-92-1	Lead	9.3	43	1	0.5	50	06/01/16	52483	S19442C3	28	P	PEICP3A
7439-95-4	Magnesium	930	ND	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7439-96-5	Manganese	19	180	1	0.5	50	06/01/16	52483	S19442C3	28	P	PEICP3A
7439-97-6	Mercury	0.15	ND	1	0.15	25	06/03/16	52483	H19442S	24	CV	HGCV2A
7440-02-0	Nickel	9.3	ND	1	0.5	50	06/01/16	52483	S19442D3	26	P	PEICP3A
7440-09-7	Potassium	930	ND	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7440-23-5	Sodium	460	ND	1	0.5	50	06/01/16	52483	S19442F3	25	P	PEICPRAD3A
7440-62-2	Vanadium	19	ND	1	0.5	50	06/01/16	52483	S19442D3	26	P	PEICP3A
7440-66-6	Zinc	19	110	1	0.5	50	06/01/16	52483	S19442D3	26	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-013
 Client Id: SED-4
 Matrix: SOIL
 Level: LOW

% Solid: 54
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	Mi	Instr
7440-36-0	Antimony	1.5	ND	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7440-38-2	Arsenic	0.37	4.3	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7440-41-7	Beryllium	0.37	ND	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7440-43-9	Cadmium	0.74	49	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7782-49-2	Selenium	3.7	ND	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7440-22-4	Silver	0.37	ND	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA
7440-28-0	Thallium	0.74	ND	1	0.5	100	05/27/16	52465	S052716A	31		MSMS2_7500SWA

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-014
 Client Id: SED-5
 Matrix: SOIL
 Level: LOW

% Solid: 22
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	910	9900	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7440-39-3	Barium	45	150	1	0.5	50	06/01/16	52483	S19442D3	27	P	PEICP3A
7440-70-2	Calcium	4500	13000	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7440-47-3	Chromium	23	64	1	0.5	50	06/01/16	52483	S19442C3	29	P	PEICP3A
7440-48-4	Cobalt	11	20	1	0.5	50	06/01/16	52483	S19442C3	29	P	PEICP3A
7440-50-8	Copper	23	210	1	0.5	50	06/01/16	52483	S19442C3	29	P	PEICP3A
7439-89-6	Iron	910	42000	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7439-92-1	Lead	23	350	1	0.5	50	06/01/16	52483	S19442C3	29	P	PEICP3A
7439-95-4	Magnesium	2300	2500	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7439-96-5	Manganese	45	670	1	0.5	50	06/01/16	52483	S19442C3	29	P	PEICP3A
7439-97-6	Mercury	0.38	0.73	1	0.15	25	06/03/16	52483	H19442S	25	CV	HGCV2A
7440-02-0	Nickel	23	32	1	0.5	50	06/01/16	52483	S19442D3	27	P	PEICP3A
7440-09-7	Potassium	2300	ND	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7440-23-5	Sodium	1100	ND	1	0.5	50	06/01/16	52483	S19442F3	26	P	PEICPRAD3A
7440-62-2	Vanadium	45	130	1	0.5	50	06/01/16	52483	S19442D3	27	P	PEICP3A
7440-66-6	Zinc	45	700	1	0.5	50	06/01/16	52483	S19442D3	27	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-014
 Client Id: SED-5
 Matrix: SOIL
 Level: LOW

% Solid: 22
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.6	ND	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7440-38-2	Arsenic	0.91	18	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7440-41-7	Beryllium	0.91	ND	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7440-43-9	Cadmium	1.8	140	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7782-49-2	Selenium	9.1	ND	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7440-22-4	Silver	0.91	ND	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	
7440-28-0	Thallium	1.8	ND	1	0.5	100	05/27/16	52465	S052716A	32	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-015
 Client Id: SED-6
 Matrix: SOIL
 Level: LOW

% Solid: 68
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	290	3700	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7440-39-3	Barium	15	28	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7440-70-2	Calcium	1500	5200	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7440-47-3	Chromium	7.4	33	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7440-48-4	Cobalt	3.7	ND	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7440-50-8	Copper	7.4	54	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7439-89-6	Iron	290	11000	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7439-92-1	Lead	7.4	57	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7439-95-4	Magnesium	740	2200	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7439-96-5	Manganese	15	100	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7439-97-6	Mercury	0.12	ND	1	0.15	25	06/03/16	52483	H19442S	26	CV	HGCV2A
7440-02-0	Nickel	7.4	9.7	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7440-09-7	Potassium	740	ND	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7440-23-5	Sodium	370	ND	1	0.5	50	06/01/16	52483	S19442F3	32	P	PEICPRAD3A
7440-62-2	Vanadium	15	23	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A
7440-66-6	Zinc	15	300	1	0.5	50	06/01/16	52483	S19442D3	33	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-015
 Client Id: SED-6
 Matrix: SOIL
 Level: LOW

% Solid: 68
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	1.2	ND	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7440-38-2	Arsenic	0.29	2.7	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7440-41-7	Beryllium	0.29	ND	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7440-43-9	Cadmium	0.59	1.4	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7782-49-2	Selenium	2.9	ND	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7440-22-4	Silver	0.29	ND	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA
7440-28-0	Thallium	0.59	ND	1	0.5	100	05/27/16	52465	S052716A	33		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-016
 Client Id: SED-7
 Matrix: SOIL
 Level: LOW

% Solid: 62
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	320	1400	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7440-39-3	Barium	16	22	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7440-70-2	Calcium	1600	ND	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7440-47-3	Chromium	8.1	ND	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7440-48-4	Cobalt	4.0	6.5	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7440-50-8	Copper	8.1	15	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7439-89-6	Iron	320	4200	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7439-92-1	Lead	8.1	33	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7439-95-4	Magnesium	810	ND	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7439-96-5	Manganese	16	290	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7439-97-6	Mercury	0.13	ND	1	0.15	25	06/03/16	52483	H19442S	27	CV	HGCV2A
7440-02-0	Nickel	8.1	ND	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7440-09-7	Potassium	810	ND	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7440-23-5	Sodium	400	ND	1	0.5	50	06/01/16	52483	S19442F3	33	P	PEICPRAD3A
7440-62-2	Vanadium	16	ND	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A
7440-66-6	Zinc	16	100	1	0.5	50	06/01/16	52483	S19442D3	34	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-016
 Client Id: SED-7
 Matrix: SOIL
 Level: LOW

% Solid: 62
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	1.3	ND	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7440-38-2	Arsenic	0.32	1.8	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7440-41-7	Beryllium	0.32	ND	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7440-43-9	Cadmium	0.65	18	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7782-49-2	Selenium	3.2	ND	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7440-22-4	Silver	0.32	ND	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA
7440-28-0	Thallium	0.65	ND	1	0.5	100	05/27/16	52465	S052716A	34		MSMS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-017
 Client Id: SED-2 MS
 Matrix: SOIL
 Level: LOW

% Solid: 25
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	800	16000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7440-39-3	Barium	40	380	1	0.5	50	06/01/16	52483	S19442D3	17	P	PEICP3A
7440-70-2	Calcium	4000	25000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7440-47-3	Chromium	20	250	1	0.5	50	06/01/16	52483	S19442C3	17	P	PEICP3A
7440-48-4	Cobalt	10	220	1	0.5	50	06/01/16	52483	S19442C3	17	P	PEICP3A
7440-50-8	Copper	20	320	1	0.5	50	06/01/16	52483	S19442C3	17	P	PEICP3A
7439-89-6	Iron	800	23000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7439-92-1	Lead	20	750	1	0.5	50	06/01/16	52483	S19442C3	17	P	PEICP3A
7439-95-4	Magnesium	2000	23000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7439-96-5	Manganese	40	2400	1	0.5	50	06/01/16	52483	S19442C3	17	P	PEICP3A
7439-97-6	Mercury	0.33	7.5	1	0.15	25	06/03/16	52483	H19442S	18	CV	HGCV2A
7440-02-0	Nickel	20	230	1	0.5	50	06/01/16	52483	S19442D3	17	P	PEICP3A
7440-09-7	Potassium	2000	20000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7440-23-5	Sodium	1000	21000	1	0.5	50	06/01/16	52483	S19442F3	16	P	PEICPRAD3A
7440-62-2	Vanadium	40	270	1	0.5	50	06/01/16	52483	S19442D3	17	P	PEICP3A
7440-66-6	Zinc	40	870	1	0.5	50	06/01/16	52483	S19442D3	17	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-017
 Client Id: SED-2 MS
 Matrix: SOIL
 Level: LOW

% Solid: 25
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.2	100	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7440-38-2	Arsenic	0.80	230	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7440-41-7	Beryllium	0.80	180	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7440-43-9	Cadmium	1.6	390	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7782-49-2	Selenium	8.0	200	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7440-22-4	Silver	0.80	35	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	
7440-28-0	Thallium	1.6	170	1	0.5	100	05/27/16	52465	S052716A	22	MSMS2_7500SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form 1

Inorganic Analysis Data Sheet

Sample ID: AC91487-018
 Client Id: SED-2 MSD
 Matrix: SOIL
 Level: LOW

% Solid: 16
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	1200	19000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7440-39-3	Barium	62	580	1	0.5	50	06/01/16	52483	S19442D3	18	P	PEICP3A
7440-70-2	Calcium	6200	38000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7440-47-3	Chromium	31	360	1	0.5	50	06/01/16	52483	S19442C3	18	P	PEICP3A
7440-48-4	Cobalt	16	350	1	0.5	50	06/01/16	52483	S19442C3	18	P	PEICP3A
7440-50-8	Copper	31	500	1	0.5	50	06/01/16	52483	S19442C3	18	P	PEICP3A
7439-89-6	Iron	1200	37000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7439-92-1	Lead	31	720	1	0.5	50	06/01/16	52483	S19442C3	18	P	PEICP3A
7439-95-4	Magnesium	3100	35000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7439-96-5	Manganese	62	4600	1	0.5	50	06/01/16	52483	S19442C3	18	P	PEICP3A
7439-97-6	Mercury	0.52	12	1	0.15	25	06/03/16	52483	H19442S	19	CV	HGCV2A
7440-02-0	Nickel	31	350	1	0.5	50	06/01/16	52483	S19442D3	18	P	PEICP3A
7440-09-7	Potassium	3100	32000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7440-23-5	Sodium	1600	32000	1	0.5	50	06/01/16	52483	S19442F3	17	P	PEICPRAD3A
7440-62-2	Vanadium	62	400	1	0.5	50	06/01/16	52483	S19442D3	18	P	PEICP3A
7440-66-6	Zinc	62	1100	1	0.5	50	06/01/16	52483	S19442D3	18	P	PEICP3A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC91487-018
 Client Id: SED-2 MSD
 Matrix: SOIL
 Level: LOW

% Solid: 16
 Units: MG/KG
 Date Rec: 5/27/2016

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	5.0	210	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7440-38-2	Arsenic	1.2	320	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7440-41-7	Beryllium	1.2	280	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7440-43-9	Cadmium	2.5	430	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7782-49-2	Selenium	13	290	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7440-22-4	Silver	1.2	54	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	
7440-28-0	Thallium	2.5	270	1	0.5	100	05/27/16	52465	S052716A	23	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52464
 Client Id: MB 52464
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7440-36-0	Antimony	3.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7440-38-2	Arsenic	2.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7440-41-7	Beryllium	1.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7440-43-9	Cadmium	2.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7440-48-4	Cobalt	2.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7439-92-1	Lead	3.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7782-49-2	Selenium	10	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	
7440-28-0	Thallium	2.0	ND	1	50	100	05/27/16	52464 SW52716A		16	MSMS2_7500SWA	

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52464 (1)
 Client Id: MB 52464 (1)
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	05/27/16	52464 H19424SW		11	CV	HGCV1A
7439-98-7	Molybdenum	20	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	05/27/16	52464SW19424A2		11	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	05/27/16	52464SW19424A2		11	P	PEICPRAD2A
7440-31-5	Tin	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	05/31/16	52464SW19424C2		15	P	PEICP2A

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV - ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52465
 Client Id: MB 52465
 Matrix: SOIL
 Level: LOW

% Solid: 0
 Units: MG/KG

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	0.80	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7440-38-2	Arsenic	0.20	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7440-41-7	Beryllium	0.20	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7440-43-9	Cadmium	0.40	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7782-49-2	Selenium	2.0	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7440-22-4	Silver	0.20	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	
7440-28-0	Thallium	0.40	ND	1	0.5	100	05/27/16	52465	S052716A	16	MSMS2_7500SWA	

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
 P - ICP-AES
 CV -ColdVapor
 MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52471 (1)
 Client Id: MB 52471 (1)
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-39-3	Barium	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-70-2	Calcium	5000	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-47-3	Chromium	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-50-8	Copper	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7439-89-6	Iron	300	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7439-92-1	Lead	12	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7439-95-4	Magnesium	5000	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7439-96-5	Manganese	40	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7439-97-6	Mercury	0.70	ND	1	25	25	06/03/16	52471 H19431SW		11	CV	HGCV1A
7439-98-7	Molybdenum	20	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-02-0	Nickel	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-09-7	Potassium	5000	ND	1	50	50	06/01/16	52471SW19431B2		11	P	PEICPRAD2A
7440-22-4	Silver	20	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-23-5	Sodium	5000	ND	1	50	50	06/01/16	52471SW19431B2		11	P	PEICPRAD2A
7440-31-5	Tin	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-32-6	Titanium	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-62-2	Vanadium	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A
7440-66-6	Zinc	50	ND	1	50	50	06/01/16	52471SW19431A2		12	P	PEICP2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: MB 52483 (100)
 Client Id: MB 52483 (100)
 Matrix: SOIL
 Level: LOW

% Solid: 0
 Units: MG/KG

Lab Name: Veritech
 Lab Code:

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7440-36-0	Antimony	4.0	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A
7440-38-2	Arsenic	4.0	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A
7440-41-7	Beryllium	1.2	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-43-9	Cadmium	1.2	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7440-47-3	Chromium	5.0	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7439-96-5	Manganese	10	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7782-49-2	Selenium	3.0	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	06/01/16	52483	S19442F3	11	P	PEICPRAD3A
7440-28-0	Thallium	1.5	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-31-5	Tin	20	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A
7440-32-6	Titanium	10	ND	1	0.5	50	06/01/16	52483	S19442C3	12	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	06/01/16	52483	S19442D3	12	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52483 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 52483 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	06/03/16	52483	H19442S	11	CV	HGCV2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV -ColdVapor

MS - ICP-MS

FORM 3

(ICB/CCB/MB Summary)

Date Analyzed: 05/27/16

Data File: SW52716A

Prep Batch: 52464

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS2_7500SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233845-9	CCB V-233845-15	CCB V-233845-28	CCB V-233845-41	CCB V-233845-52	MB 52464-16
Antimony	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Arsenic	1 U	1 U	1 U	1 U	1 U	2 U
Beryllium	.5 U	.5 U	.5 U	.5 U	.5 U	1 U
Cadmium	1 U	1 U	1 U	1 U	1 U	2 U
Cobalt	1 U	1 U	1 U	1 U	1 U	2 U
Lead	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Selenium	5 U	5 U	5 U	5 U	5 U	10 U
Thallium	1 U	1 U	1 U	1 U	1 U	2 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/27/16

Data File: S052716A

Prep Batch: 52465

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: MS2_7500SWA

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233845- 9	CCB V-233845- 15	CCB V-233845- 28	CCB V-233845- 38	MB 52465-16
Antimony	4 U	4 U	4 U	4 U	800 U
Arsenic	1 U	1 U	1 U	1 U	200 U
Beryllium	1 U	1 U	1 U	1 U	200 U
Cadmium	2 U	2 U	2 U	2 U	400 U
Selenium	10 U	10 U	10 U	10 U	2000 U
Silver	1 U	1 U	1 U	1 U	200 U
Thallium	2 U	2 U	2 U	2 U	400 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/27/16

Data File: SW19424A2

Prep Batch: 52464

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 8	CCB-21	CCB-32	MB 52464 (1)- 11
Potassium	5 U	5 U	5 U	5 U
Sodium	5 U	5 U	5 U	5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/31/16

Data File: SW19424B2

Prep Batch: 52464

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038-	CCB-21				
	8					
Potassium	5 U	5 U				
Sodium	5 U	5 U				

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 05/31/16

Data File: SW19424C2

Prep Batch: 52464

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 9	CCB-14	CCB-25	CCB-36	CCB-47	MB 52464 (1)- 15
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Calcium	5 U	5 U	5 U	5 U	5 U	5 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U
Magnesium	5 U	5 U	5 U	5 U	5 U	5 U
Manganese	.04 U	.04 U	.04 U	.04 U	.04 U	.04 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 06/01/16

Data File: S19442C3

Prep Batch: 52483

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP3A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 9	CCB V-233038- 22	CCB V-233038- 34	MB 52483 (100)-12
Arsenic	.04 U	.04 U	.04 U	4 U
Chromium	.05 U	.05 U	.05 U	5 U
Cobalt	.025 U	.025 U	.025 U	2.5 U
Copper	.05 U	.05 U	.05 U	5 U
Lead	.05 U	.05 U	.05 U	5 U
Manganese	.1 U	.1 U	.1 U	10 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 06/01/16

Data File: S19442D3

Prep Batch: 52483

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICP3A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 9	CCB V-233038- 22	CCB V-233038- 32	CCB V-233038- 43	CCB V-233038- 53	MB 52483 (100)-12
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U
Cobalt	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U
Manganese	.1 U	.1 U	.1 U	.1 U	.1 U	10 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U
Vanadium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 06/01/16

Data File: S19442F3

Prep Batch: 52483

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: PEICPRAD3A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB V-233038- 8	CCB V-233038- 21	CCB V-233038- 31	CCB V-233038- 42	CCB V-233038- 50	MB 52483 (100)-11
Aluminum	2 U	2 U	2 U	2 U	2 U	200 U
Calcium	10 U	10 U	10 U	10 U	10 U	1000 U
Iron	2 U	2 U	2 U	2 U	2 U	200 U
Magnesium	5 U	5 U	5 U	5 U	5 U	500 U
Potassium	5 U	5 U	5 U	5 U	5 U	500 U
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 05/27/16

Data File: H19424SW

Prep Batch: 52464

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV1A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB-10	CCB-22	CCB-26	MB 52464 (1)- 11
Mercury	.7 U	.7 U	.7 U	.7 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 06/03/16

Data File: H19431SW

Prep Batch: 52471

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV1A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB-10	CCB-22	CCB-29	MB 52471 (1)- 11
Mercury	.7 U	.7 U	.7 U	.7 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 06/03/16

Data File: H19442S

Prep Batch: 52483

Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A

Instrument: HGCV2A

Units: All units in ppm except Hg and icp-ms in ppb

Project Number: 6052401

Lab Name: Veritech

Lab Code:

Contract:

Nras No:

Sdg No:

Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-38	MB 52483 (167)-11					
Mercury	.5 U	.5 U	.5 U	.5 U	83 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM5/FORM7
SPIKE RECOVERY DATA
 PREP BATCH: 52465

6052401 0095

Instrument Type: ICPMS

Analytical Method(s): 6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: SOIL		SampleID: LCS MR 52465								
Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Antimony	52465	1	S052716A	18	67.8800	123	55		1	200		
Arsenic	52465	1	S052716A	18	158.5000	145	109		79	121		
Beryllium	52465	1	S052716A	18	100.1000	97.3	103		83	117		
Cadmium	52465	1	S052716A	18	95.5000	87.6	109		83	118		
Selenium	52465	1	S052716A	18	186.7000	178	105		79	121		
Silver	52465	1	S052716A	18	32.7600	31.3	105		75	125		
Thallium	52465	1	S052716A	18	155.2000	141	110		79	121		

TxtQcType: LCS		Matrix: SOIL		SampleID: LCS 52465								
Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Antimony	52465	1	S052716A	17	62.7200	123	51		1	200		
Arsenic	52465	1	S052716A	17	152.2000	145	105		79	121		
Beryllium	52465	1	S052716A	17	94.0400	97.3	97		83	117		
Cadmium	52465	1	S052716A	17	90.3500	87.6	103		83	118		
Selenium	52465	1	S052716A	17	178.5000	178	100		79	121		
Silver	52465	1	S052716A	17	31.7600	31.3	101		75	125		
Thallium	52465	1	S052716A	17	147.4000	141	105		79	121		

TxtQcType: MSD		Matrix: SOIL		SampleID: AC91487-018									
Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52465	1	S052716A	23	S052716A	19	165.7000	4U	250	66	a	75	125
Arsenic	52465	1	S052716A	23	S052716A	19	255.8000	22.3200	250	93		75	125
Beryllium	52465	1	S052716A	23	S052716A	19	224.7000	1U	250	90		75	125
Cadmium	52465	1	S052716A	23	S052716A	19	341.9000	126.5000	250	86		75	125
Selenium	52465	1	S052716A	23	S052716A	19	235.2000	10U	250	94		75	125
Silver	52465	1	S052716A	23	S052716A	19	43.4700	1U	50	87		75	125
Thallium	52465	1	S052716A	23	S052716A	19	219.2000	2U	250	88		75	125

TxtQcType: MS		Matrix: SOIL		SampleID: AC91487-017									
Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52465	1	S052716A	22	S052716A	19	126.4000	4U	250	51	a	75	125
Arsenic	52465	1	S052716A	22	S052716A	19	292.1000	22.3200	250	108		75	125
Beryllium	52465	1	S052716A	22	S052716A	19	221.0000	1U	250	88		75	125
Cadmium	52465	1	S052716A	22	S052716A	19	488.0000	126.5000	250	145	a	75	125
Selenium	52465	1	S052716A	22	S052716A	19	244.1000	10U	250	98		75	125
Silver	52465	1	S052716A	22	S052716A	19	44.0400	1U	50	88		75	125
Thallium	52465	1	S052716A	22	S052716A	19	214.6000	2U	250	86		75	125

a-Indicates Recovery Failed the criteria

b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 52483

6052401 0096

Instrument Type: ICP/HG

Analytical Method(s): 6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: SOIL		SampleID: LCS MR 52483								
Analyte	BatchId	DF	Data Fil	Seq#	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Aluminum	52483	1	S19442F3	13	61.1020	80.8	76		51	149		
Barium	52483	1	S19442D3	14	1.8338	2.09	88		83	127		
Calcium	52483	1	S19442F3	13	52.3610	56.9	92		81	119		
Chromium	52483	1	S19442C3	14	1.1639	1.43	81		80	120		
Cobalt	52483	1	S19442C3	14	1.3730	1.54	89		84	116		
Copper	52483	1	S19442C3	14	1.5331	1.73	89		82	118		
Iron	52483	1	S19442F3	13	129.8020	150.00	87		47	154		
Lead	52483	1	S19442C3	14	1.3044	1.46	89		82	118		
Magnesium	52483	1	S19442F3	13	23.0259	26.40	87		77	123		
Manganese	52483	1	S19442C3	14	2.6788	3.09	87		82	119		
Mercury	52483	5	H19442S	15	14.5500	73.8	99		72	128		
Nickel	52483	1	S19442D3	14	1.1583	1.29	90		83	117		
Potassium	52483	1	S19442F3	13	20.2173	24.00	84		72	128		
Sodium	52483	1	S19442F3	13	7.5345	8.69	87		73	127		
Vanadium	52483	1	S19442D3	14	0.9652	1.15	84		78	123		
Zinc	52483	1	S19442D3	14	1.7426	1.94	90		82	118		

TxtQcType: LCS		Matrix: SOIL		SampleID: LCS 52483								
Analyte	BatchId	DF	Data Fil	Seq#	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim		
Aluminum	52483	1	S19442F3	12	66.1547	80.8	82		51	149		
Barium	52483	1	S19442D3	13	1.9301	2.09	92		83	127		
Calcium	52483	1	S19442F3	12	53.6270	56.9	94		81	119		
Chromium	52483	1	S19442C3	13	1.2046	1.43	84		80	120		
Cobalt	52483	1	S19442C3	13	1.4195	1.54	92		84	116		
Copper	52483	1	S19442C3	13	1.5904	1.73	92		82	118		
Iron	52483	1	S19442F3	12	137.5370	150.00	92		47	154		
Lead	52483	1	S19442C3	13	1.3667	1.46	94		82	118		
Magnesium	52483	1	S19442F3	12	24.2372	26.40	92		77	123		
Manganese	52483	1	S19442C3	13	2.7157	3.09	88		82	119		
Mercury	52483	5	H19442S	14	13.7600	73.8	93		72	128		
Nickel	52483	1	S19442D3	13	1.2161	1.29	94		83	117		
Potassium	52483	1	S19442F3	12	21.3027	24.00	89		72	128		
Sodium	52483	1	S19442F3	12	7.7950	8.69	90		73	127		
Vanadium	52483	1	S19442D3	13	1.0137	1.15	88		78	123		
Zinc	52483	1	S19442D3	13	1.8489	1.94	95		82	118		

TxtQcType: MSD		Matrix: SOIL		SampleID: AC91487-018									
Analyte	BatchId	DF	Data Fil	Seq#	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52483	1	S19442F3	17	S19442F3	14	30.8472	23.7836	5.0	141	b	75	125
Barium	52483	1	S19442D3	18	S19442D3	15	0.9346	0.4210	0.5	103		75	125
Calcium	52483	1	S19442F3	17	S19442F3	14	61.1633	10U	50	122		75	125
Chromium	52483	1	S19442C3	18	S19442C3	15	0.5832	0.1302	0.5	91		75	125
Cobalt	52483	1	S19442C3	18	S19442C3	15	0.5564	0.0347	0.5	104		75	125
Copper	52483	1	S19442C3	18	S19442C3	15	0.7935	0.2607	0.5	107		75	125
Iron	52483	1	S19442F3	17	S19442F3	14	58.7496	43.1959	5.0	311	b	75	125
Lead	52483	1	S19442C3	18	S19442C3	15	1.1495	1.0877	0.5	12	a	75	125
Magnesium	52483	1	S19442F3	17	S19442F3	14	55.7898	5U	50	112		75	125
Manganese	52483	1	S19442C3	18	S19442C3	15	7.2946	4.7267	0.5	514	b	75	125
Mercury	52483	1	H19442S	19	H19442S	16	11.1200	0.5490	10	106		75	125
Nickel	52483	1	S19442D3	18	S19442D3	15	0.5590	0.0533	0.5	101		75	125
Potassium	52483	1	S19442F3	17	S19442F3	14	50.4104	5U	50	101		75	125
Sodium	52483	1	S19442F3	17	S19442F3	14	50.5996	2.5U	50	101		75	125
Vanadium	52483	1	S19442D3	18	S19442D3	15	0.6469	0.1492	0.5	100		75	125
Zinc	52483	1	S19442D3	18	S19442D3	15	1.7458	1.3774	0.5	74	a	75	125

a-Indicates Recovery Failed the criteria

b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA
 PREP BATCH: 52483

6052401 0097

Instrument Type: ICP/HG

Analytical Method(s): 6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS		Matrix: SOIL		SampleID: AC91487-017									
Analyte	BatchId	DF	Data Fil	Seq#	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52483	1	S19442F3	16	S19442F3	14	39.1528	23.7836	5.0	307	b	75	125
Barium	52483	1	S19442D3	17	S19442D3	15	0.9468	0.4210	0.5	105		75	125
Calcium	52483	1	S19442F3	16	S19442F3	14	62.7816	10U	50	126	a	75	125
Chromium	52483	1	S19442C3	17	S19442C3	15	0.6220	0.1302	0.5	98		75	125
Cobalt	52483	1	S19442C3	17	S19442C3	15	0.5586	0.0347	0.5	105		75	125
Copper	52483	1	S19442C3	17	S19442C3	15	0.7999	0.2607	0.5	108		75	125
Iron	52483	1	S19442F3	16	S19442F3	14	57.6483	43.1959	5.0	289	b	75	125
Lead	52483	1	S19442C3	17	S19442C3	15	1.8829	1.0877	0.5	159	a	75	125
Magnesium	52483	1	S19442F3	16	S19442F3	14	57.0085	5U	50	114		75	125
Manganese	52483	1	S19442C3	17	S19442C3	15	5.8870	4.7267	0.5	232	b	75	125
Mercury	52483	1	H19442S	18	H19442S	16	11.1900	0.5490	10	106		75	125
Nickel	52483	1	S19442D3	17	S19442D3	15	0.5800	0.0533	0.5	105		75	125
Potassium	52483	1	S19442F3	16	S19442F3	14	51.2250	5U	50	102		75	125
Sodium	52483	1	S19442F3	16	S19442F3	14	52.0888	2.5U	50	104		75	125
Vanadium	52483	1	S19442D3	17	S19442D3	15	0.6807	0.1492	0.5	106		75	125
Zinc	52483	1	S19442D3	17	S19442D3	15	2.1764	1.3774	0.5	160	a	75	125

a-Indicates Recovery Failed the criteria

b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52464

6052401 0098

Instrument Type: ICP/HG

Analytical Method(s): 6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: SD		Matrix: AQUEOUS		SampleID: AC91487-004						
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Aluminum	52464	SW19424	26	SW19424	18	5	0.0011	0.0535	---	10
Barium	52464	SW19424	26	SW19424	18	5	0.0003	0.0054	68 c	10
Calcium	52464	SW19424	26	SW19424	18	5	3.1458	15.7690	0.25	10
Chromium	52464	SW19424	26	SW19424	18	5	-0.0009	-0.0002	---	10
Copper	52464	SW19424	26	SW19424	18	5	-0.0001	0.0007	---	10
Iron	52464	SW19424	26	SW19424	18	5	0.0235	0.1788	34 c	10
Magnesium	52464	SW19424	26	SW19424	18	5	0.5883	3.3426	12 a	10
Manganese	52464	SW19424	26	SW19424	18	5	0.0299	0.1533	2.7	10
Nickel	52464	SW19424	26	SW19424	18	5	-0.0008	-0.0002	---	10
Potassium	52464	SW19424	22	SW19424	14	5	0.6726	1.9290	74 a	10
Silver	52464	SW19424	26	SW19424	18	5	0.0004	0.0004	---	10
Sodium	52464	SW19424	22	SW19424	14	5	4.8073	23.0540	4.3	10
Vanadium	52464	SW19424	26	SW19424	18	5	-0.0021	0.0005	---	10
Zinc	52464	SW19424	26	SW19424	18	5	0.0014	0.0048	41 c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52465

6052401 0099

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: SOIL		SampleID: LCS MR 52465					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52465	S052716A	18	S052716A	17	67.8800	62.7200	7.9	20
Arsenic	52465	S052716A	18	S052716A	17	158.5000	152.2000	4.1	20
Beryllium	52465	S052716A	18	S052716A	17	100.1000	94.0400	6.2	20
Cadmium	52465	S052716A	18	S052716A	17	95.5000	90.3500	5.5	20
Selenium	52465	S052716A	18	S052716A	17	186.7000	178.5000	4.5	20
Silver	52465	S052716A	18	S052716A	17	32.7600	31.7600	3.1	20
Thallium	52465	S052716A	18	S052716A	17	155.2000	147.4000	5.2	20

TxtQcType: MR		Matrix: SOIL		SampleID: AC91487-011					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52465	S052716A	20	S052716A	19	4U	4U	---	20
Arsenic	52465	S052716A	20	S052716A	19	24.6700	22.3200	10	20
Beryllium	52465	S052716A	20	S052716A	19	1U	1U	---	20
Cadmium	52465	S052716A	20	S052716A	19	136.4000	126.5000	7.5	20
Selenium	52465	S052716A	20	S052716A	19	10U	10U	---	20
Silver	52465	S052716A	20	S052716A	19	1U	1U	---	20
Thallium	52465	S052716A	20	S052716A	19	2U	2U	---	20

TxtQcType: MSD		Matrix: SOIL		SampleID: AC91487-018					
Analyte	BatchId	Data Fil	Seq#	MS File	Seq#	Result 1	Result 2	RPD	Limit
Antimony	52465	S052716A	23	S052716A	22	165.7000	126.4000	27 a	20
Arsenic	52465	S052716A	23	S052716A	22	255.8000	292.1000	13	20
Beryllium	52465	S052716A	23	S052716A	22	224.7000	221.0000	1.7	20
Cadmium	52465	S052716A	23	S052716A	22	341.9000	488.0000	35 a	20
Selenium	52465	S052716A	23	S052716A	22	235.2000	244.1000	3.7	20
Silver	52465	S052716A	23	S052716A	22	43.4700	44.0400	1.3	20
Thallium	52465	S052716A	23	S052716A	22	219.2000	214.6000	2.1	20

TxtQcType: SD		Matrix: SOIL		SampleID: AC91487-011						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Antimony	52465	S052716A	21	S052716A	19	5	0.2652	1.1990	11 a	10
Arsenic	52465	S052716A	21	S052716A	19	5	4.6310	22.3200	3.7	10
Beryllium	52465	S052716A	21	S052716A	19	5	0.2108	0.9082	16 c	10
Cadmium	52465	S052716A	21	S052716A	19	5	26.1200	126.5000	3.2	10
Selenium	52465	S052716A	21	S052716A	19	5	1.2920	6.0050	7.6	10
Silver	52465	S052716A	21	S052716A	19	5	0.0903	0.4772	5.4	10
Thallium	52465	S052716A	21	S052716A	19	5	0.3134	1.4690	6.7	10

a-Indicates Rpd Failed the criteria
 b-Method Rep Out but concentrations < 5*RL
 c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52483

6052401 0100

Instrument Type: ICP/HG

Analytical Method(s): 6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR		Matrix: SOIL		SampleID: LCS MR 52483					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52483	S19442F3	13	S19442F3	12	61.1020	66.1547	7.9	20
Barium	52483	S19442D3	14	S19442D3	13	1.8338	1.9301	5.1	20
Calcium	52483	S19442F3	13	S19442F3	12	52.3610	53.6270	2.4	20
Chromium	52483	S19442C3	14	S19442C3	13	1.1639	1.2046	3.4	20
Cobalt	52483	S19442C3	14	S19442C3	13	1.3730	1.4195	3.3	20
Copper	52483	S19442C3	14	S19442C3	13	1.5331	1.5904	3.7	20
Iron	52483	S19442F3	13	S19442F3	12	129.8020	137.5370	5.8	20
Lead	52483	S19442C3	14	S19442C3	13	1.3044	1.3667	4.7	20
Magnesium	52483	S19442F3	13	S19442F3	12	23.0259	24.2372	5.1	20
Manganese	52483	S19442C3	14	S19442C3	13	2.6788	2.7157	1.4	20
Mercury	52483	H19442S	15	H19442S	14	14.5500	13.7600	5.6	20
Nickel	52483	S19442D3	14	S19442D3	13	1.1583	1.2161	4.9	20
Potassium	52483	S19442F3	13	S19442F3	12	20.2173	21.3027	5.2	20
Sodium	52483	S19442F3	13	S19442F3	12	7.5345	7.7950	3.4	20
Vanadium	52483	S19442D3	14	S19442D3	13	0.9652	1.0137	4.9	20
Zinc	52483	S19442D3	14	S19442D3	13	1.7426	1.8489	5.9	20

TxtQcType: MR		Matrix: SOIL		SampleID: AC91487-011					
Analyte	BatchId	Data Fil	Seq#	NS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52483	S19442F3	15	S19442F3	14	23.7149	23.7836	0.29	20
Barium	52483	S19442D3	16	S19442D3	15	0.4538	0.4210	7.5	20
Calcium	52483	S19442F3	15	S19442F3	14	10.1499	10U	---	20
Chromium	52483	S19442C3	16	S19442C3	15	0.1257	0.1302	3.5	20
Cobalt	52483	S19442C3	16	S19442C3	15	0.0382	0.0347	9.7	20
Copper	52483	S19442C3	16	S19442C3	15	0.2821	0.2607	7.9	20
Iron	52483	S19442F3	15	S19442F3	14	51.0791	43.1959	17	20
Lead	52483	S19442C3	16	S19442C3	15	0.7813	1.0877	33 a	20
Magnesium	52483	S19442F3	15	S19442F3	14	5.4522	5U	---	20
Manganese	52483	S19442C3	16	S19442C3	15	5.9150	4.7267	22 a	20
Mercury	52483	H19442S	17	H19442S	16	0.6100	0.5490	11	20
Nickel	52483	S19442D3	16	S19442D3	15	0.0542	0.0533	1.6	20
Potassium	52483	S19442F3	15	S19442F3	14	5U	5U	---	20
Sodium	52483	S19442F3	15	S19442F3	14	2.5U	2.5U	---	20
Vanadium	52483	S19442D3	16	S19442D3	15	0.1586	0.1492	6.1	20
Zinc	52483	S19442D3	16	S19442D3	15	1.3831	1.3774	0.41	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9
RPD/%Difference Data
 PREP BATCH: 52483

6052401 0101

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD		Matrix: SOIL		SampleID: AC91487-018					
Analyte	BatchId	Data Fil	Seq#	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52483	S19442F3	17	S19442F3	16	30.8472	39.1528	24 a	20
Barium	52483	S19442D3	18	S19442D3	17	0.9346	0.9468	1.3	20
Calcium	52483	S19442F3	17	S19442F3	16	61.1633	62.7816	2.6	20
Chromium	52483	S19442C3	18	S19442C3	17	0.5832	0.6220	6.4	20
Cobalt	52483	S19442C3	18	S19442C3	17	0.5564	0.5586	.4	20
Copper	52483	S19442C3	18	S19442C3	17	0.7935	0.7999	.81	20
Iron	52483	S19442F3	17	S19442F3	16	58.7496	57.6483	1.9	20
Lead	52483	S19442C3	18	S19442C3	17	1.1495	1.8829	48 a	20
Magnesium	52483	S19442F3	17	S19442F3	16	55.7898	57.0085	2.2	20
Manganese	52483	S19442C3	18	S19442C3	17	7.2946	5.8870	21 a	20
Mercury	52483	H19442S	19	H19442S	18	11.1200	11.1900	.63	20
Nickel	52483	S19442D3	18	S19442D3	17	0.5590	0.5800	3.7	20
Potassium	52483	S19442F3	17	S19442F3	16	50.4104	51.2250	1.6	20
Sodium	52483	S19442F3	17	S19442F3	16	50.5996	52.0888	2.9	20
Vanadium	52483	S19442D3	18	S19442D3	17	0.6469	0.6807	5.1	20
Zinc	52483	S19442D3	18	S19442D3	17	1.7458	2.1764	22 a	20

TxtQcType: SD		Matrix: SOIL		SampleID: AC91487-011						
Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff	Limit
Aluminum	52483	S19442F3	22	S19442F3	14	5	4.7631	23.7836	0.13	10
Barium	52483	S19442D3	23	S19442D3	15	5	0.0757	0.4210	10	10
Calcium	52483	S19442F3	22	S19442F3	14	5	1.8262	9.4138	3	10
Chromium	52483	S19442C3	23	S19442C3	15	5	0.0243	0.1302	6.9	10
Cobalt	52483	S19442C3	23	S19442C3	15	5	0.0055	0.0347	21	c 10
Copper	52483	S19442C3	23	S19442C3	15	5	0.0555	0.2607	6.5	10
Iron	52483	S19442F3	22	S19442F3	14	5	8.5727	43.1959	0.77	10
Lead	52483	S19442C3	23	S19442C3	15	5	0.2138	1.0877	1.7	10
Magnesium	52483	S19442F3	22	S19442F3	14	5	0.9874	4.9818	0.9	10
Manganese	52483	S19442C3	23	S19442C3	15	5	0.9546	4.7267	0.98	10
Nickel	52483	S19442D3	23	S19442D3	15	5	0.0089	0.0533	16	c 10
Potassium	52483	S19442F3	22	S19442F3	14	5	0.5651	1.4757	91	c 10
Sodium	52483	S19442F3	22	S19442F3	14	5	0.3181	0.8683	83	c 10
Vanadium	52483	S19442D3	23	S19442D3	15	5	0.0306	0.1492	2.6	10
Zinc	52483	S19442D3	23	S19442D3	15	5	0.2787	1.3774	1.2	10

a-Indicates Rpd Failed the criteria
 b-Method Rep Out but concentrations < 5*RL
 c-Serial dilution Out but conc < 10 * IDL



Hampton-Clarke

Analytical & Field Services

Last Page of Report

Appendix D

Site Inspection Form



SITE INSPECTION FORM

Dzus Fasteners Site
425 Union Boulevard, West Islip, Suffolk County, NY
NYSDEC Site ID # 1-52-033

Client: New York State Department of Environmental Conservation

Preparer's Name: Celeste Foster

Date/Time: 06/07/2016 13:30

Asphalt Cap

Has the condition of the asphalt degraded since the last inspection?

☐ YES ☒ NO ☐ NA

Are any cracks visible in the asphalt pavement?

☒ YES ☐ NO ☐ NA

Is there evidence of uneven settling and or ponding?

☐ YES ☒ NO ☐ NA

Is there damage to any surface coverage?

☐ YES ☒ NO ☐ NA

Willetts Creek

Has the riprap in the creek been disturbed?

☐ YES ☐ NO ☒ NA

Lake Capri

Is there evidence of excessive weed growth in the Lake?

☒ YES ☐ NO ☐ NA

Is the fence/gate along Sunrise Highway functioning properly?

☐ YES ☐ NO ☒ NA

Has the Lake level changed significantly from the previous inspection?

☐ YES ☒ NO ☐ NA

Site Condition

Is there any evidence of illegal disposal?

☐ YES ☒ NO ☐ NA

Is there uncontrolled vegetation growth?

☐ YES ☒ NO ☐ NA

Is there any evidence of unauthorized entry?

☐ YES ☒ NO ☐ NA

If yes to any question above, provide additional information below.

Some cracks visible in the pavement. They do not appear to be detrimental to the cap.

Lake Capri contained excessive weed growth.