

**Annual 2011 Monitoring Event
Letter Report for Site No. 932001
Airco Properties, Inc., Airco Parcel
Niagara Falls, New York**

Prepared for

Linde North America, Inc.
575 Mountain Avenue
Murray Hill, New Jersey 07974

Prepared by



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April 2012
Revision: 0
Project No.: 1047.004

18 April 2012

Mr. Brian Thiesse
Head of US SHEQ Operations
Linde, LLC
575 Mountain Avenue
Murray Hill, New Jersey 07974

RE: 2011 Annual Monitoring Event Letter Report and Remedy Review Report, Site No.
932001, Airco Properties Inc., Airco Parcel, Niagara Falls, New York

Dear Mr. Thiesse:

Greenstar Environmental Solutions, LLC (Greenstar) is pleased to provide the 2011 Annual Monitoring Event Letter Report summarizing the operation and maintenance activities at the Airco Parcel (Site), Niagara Falls, New York, for the period 1 January 2011 to 31 December 2011. The post-closure monitoring and facility maintenance program was initiated at the Airco Parcel during December 2000. Post-closure monitoring and facility maintenance is required by New York State Solid Waste Management Facilities Regulations (6 NYCRR Part 360-2.15[k][4]) and stipulated in Order on Consent No. B9-0470-94-12. The purpose of this Annual Monitoring Event Letter Report is to summarize the analytical results of the annual 2011 groundwater monitoring event conducted in October 2011 and the semi-annual surface water monitoring conducted in June and October 2011; and operations and maintenance activities conducted at the Site from January through December 2011.

OBJECTIVES

In accordance with the Revised Final Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, prepared by EA Engineering, PC and its affiliate EA Science and Technology (EA 2004)¹, environmental monitoring points are to be maintained and sampled during the post-closure monitoring period, including the collection of appropriate groundwater, surface water, and groundwater collection treatment system (GCTS) samples. The Post-Closure Monitoring and Facility Maintenance Plan specifies sampling locations, sampling parameters and analytical methods, in addition to other required maintenance activities, such as landfill cap inspections and the operations and maintenance plan for the GCTS. Following completion of the first five years of post-closure monitoring, the original Revised Final Post-Closure Monitoring and Facility Maintenance Plan, which was included as Appendix A in the Interim Remedial Measure Report (EA 2001a)², was re-evaluated and revised based on the data collected at the site so that the monitoring plan is now more focused to address site-specific issues that were identified during the first five years of post-closure monitoring.

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1. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2004. Revised Final Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, Niagara Falls, New York. September.
 2. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2001a. Interim Remedial Measure Report Documenting Closure of the Witmer Road Landfill, Niagara Falls, New York. Appendix A – Revised Final Post-Closure Monitoring and Facility Maintenance Plan. January.

In accordance with the Revised Post-Closure Monitoring and Facility Maintenance Program the following activities are being conducted annually:

- Environmental monitoring points are being maintained and sampled during the post-closure period.
- An annual summary report is submitted to site stakeholders including the New York State Department of Environmental Conservation (NYSDEC) Division of Solid and Hazardous Materials, Region 9; the New York State Department of Health, Albany, New York; Linde, LLC; and the document repository located at the Town of Niagara Clerk's Office.
- Routine inspections of the sediment ponds and the engineered wetlands are conducted to assess the presence of mosquito larvae.
- Drainage structures and ditches are maintained to prevent ponding of water and erosion of the landfill soil cap.
- Soil cover integrity, slopes, cover vegetation, drainage structures, and the perimeter road are maintained during the post-closure monitoring and maintenance period.
- A vegetative cover is maintained on all exposed final cover material, and adequate measures are taken to ensure the integrity of the final vegetated cover, topsoil layer, and underlying barrier protection layer.
- The GCTS is being operated and maintained to effectively mitigate the discharge of groundwater to surface water in the southwest corner of the Airco Parcel.
- Records are maintained of sample analytical results.

BACKGROUND

The Airco Parcel is part of the Vanadium Corporation of America site that is located in the Town of Niagara Falls, New York (Figure 1). The entire Vanadium site is approximately 150 acres in size, with the Airco Parcel encompassing approximately 25 acres. The 25-acre Airco parcel is the focus of this annual sampling event letter report. The site contains waste material from the historic operations of onsite and nearby production facilities.

An Immediate Investigative Work Assignment (IIWA) investigation was conducted by NYSDEC for a portion of the 150-acre parcel in August 1997, and included investigation of the 70 acre parcel owned by Niagara Mohawk Power Corporation and New York Power Authority. During the investigation, NYSDEC determined that the site had been used by Vanadium Corporation of America (the owners of the site from 1924 to 1964) to dispose of wood, brick, ash, lime slag, ferrochromium silicon slag, and ferrochromium silicon dust. Based on results of the IIWA investigation NYSDEC determined that much of the surface material consisted of fill, including fly ash, dust, slag, and cinder materials.

Analytical results of groundwater samples collected at the site during the IIWA investigation indicated that surface water and groundwater standards were exceeded for hexavalent chromium and pH. The Vanadium site, including the Airco Parcel, has been listed as a Class 2 Hazardous Waste Site in the New York State Registry of Inactive Hazardous Waste Sites (Site No. 932001).

Remedial measures at the Airco Parcel were completed in 2000 when the landfill was capped as part of an Interim Remedial Measure (IRM) implemented at the Site. A complete description of the history of the site, and the construction details of the landfill capping system, can be found in the Interim Remedial Measure Report (EA 2001b)³. During cap construction a relief pipe system was installed to allow perched water to exit from under the cap without causing slope instability. Flow monitoring and sampling were initiated as part the monitoring program. The data collected indicated that the leachate was actually groundwater recharging to surface water and elevated hexavalent chromium concentrations and pH in groundwater remained in excess of the ambient water quality criteria after mixing with surface water.

Therefore, the IRM was augmented in 2003 with the design and implementation of the GCTS, which was determined to be necessary to meet the goals of the interim remedial measures program. The GCTS was designed to prevent the uncontrolled discharge of impacted groundwater from the Airco Parcel and includes pH adjustment via carbon dioxide aeration, settling for precipitate removal, oxidation/reduction via zero valence iron, and final clarification via an engineered wetland. The main portion of the GCTS is located at the northwest corner of the site and contains the main control panel, carbon dioxide storage tank, carbon dioxide aeration system, sedimentation tanks, pump stations, zero valence iron reaction tanks, and an engineered wetland. An influent pump station is located at the southwest corner of the site.

In December 2011, modifications to the GCTS control system, which were outlined in a Proposal for Data Collection for Alternate Remedial Strategy (Greenstar 2011a)⁴ dated 11 October 2011 were completed as approved by the NYSDEC. As part of the proposal, one extraction well was installed through the landfill into weathered bedrock and fitted with a 4 in. diameter variable speed submersible pump capable of yielding at least 10 gallons per minute. This installation is part of a pilot study to explore whether dewatering the upper portion of bedrock can prevent leachate generation.

MONITORING EVENT FIELD ACTIVITIES

The annual and semi-annual monitoring events for 2011 were completed on June 16 2011 and 16 - 18 October 2011. The frequency of monitoring events was reduced at the Airco Parcel for 2011, moving from a biannual to annual basis for groundwater monitoring and remaining on a semi-annual basis for surface water sampling. Approval for modification to the existing Post-Closure Monitoring and Facility Maintenance Plan, outlined in a Proposal for Modifications to Existing Operation and Maintenance Plan at the Witmer Road Landfill, Niagara Falls, New York (Greenstar 2011b)⁵, was given by the NYSDEC in a letter dated 6 June 2011. The sections below provide a summary of data collected as part of this Monitoring event.

3. EA Engineering, Science, and Technology. 2001b. Interim Remedial Measure Report Documenting Closure of the Witmer Road Landfill, Niagara Falls, New York. January.

4. Greenstar Environmental Solutions. 2011a. Proposal for Data Collection for Alternate Remedial Strategy. October.

⁵. Greenstar Environmental Solutions. 2011b. Proposal for Modifications to Existing Operation and Maintenance Plan at the Witmer Road Landfill, Niagara Falls, New York. April.

Monitoring Well Gauging

The site monitoring wells, Figure 2, were gauged on 16 October 2011 prior to sampling. Gauging data are summarized in the table below:

| Monitoring Well | Depth to Water (ft TOC) | Well Elevation (ft AMSL) | Water Elevation (ft AMSL) |
|--|----------------------------|-----------------------------|------------------------------|
| MW-1B | 11.71 | 617.77 | 606.06 |
| MW-2B | 12.31 | 615.88 | 603.57 |
| MW-3B | 10.05 | 611.22 | 601.17 |
| MW-4B | 13.34 | 606.68 | 593.34 |
| MW-5B | 10.87 | 605.48 | 594.61 |
| MW-6B | 4.45 | 603.47 | 599.02 |
| MW-7B | 11.19 | 609.48 | 598.29 |
| MW-8B | 6.69 | 611.62 | 604.93 |
| NOTE: TOC = Top of casing. AMSL = Above mean sea level. | | | |

Figure 3 shows the inferred groundwater flow direction at the site, based on the October 2011 gauging data.

LABORATORY ANALYSIS

Groundwater and surface water samples were submitted to TestAmerica Laboratories of Amherst, New York for analysis of phenolics by U.S. Environmental Protection Agency (EPA) Method 420.2, sulfate by EPA Method 375.3, ammonia (expressed as nitrogen) by EPA Method 350.2, and Target Analyte List metals by EPA Series 6010/6020, including hexavalent chromium.

Regulatory Criteria

Groundwater sampling results were compared to NYSDEC Ambient Water Quality Standards (AWQS) (NYSDEC 1999) and guidance values for Class GA waters. Class GA groundwater is used as a source of drinking water. Surface water samples were compared to NYSDEC AWQS for Class D surface waters. Class D waters are used for fishing but are not conducive to fish propagation. If no Class D standards were applicable for a particular compound, analytical results were compared to the more stringent Class C standards. Class C waters are suitable for fishing and fish propagation.

Groundwater Sampling

Monitoring wells were sampled on 17 – 18 October 2011. Eight monitoring wells are present at the site. Groundwater samples were collected from eight monitoring wells during this sampling event. Monitoring wells MW-3B, MW-4B, MW-5B, and MW-8B were purged using dedicated bailers due to slow recharge and limited well volume. Consistent with previous sampling, these wells yield very little groundwater and were bailed dry and allowed to recharge prior to sample collection. Monitoring wells MW-1B, MW-2B, MW-6B and MW-7B had adequate groundwater

yield for low flow sampling utilizing a peristaltic pump. Water quality readings were allowed to stabilize prior to sample collection. Monitoring well locations are shown on Figure 2.

Surface Water Sampling

Surface water samples were collected from the drainage swales in the southwest corner of the site twice during 2011. Sampling occurred on 16 June 2011 and then again during the monitoring well sampling event during 17 – 18 October 2011. The samples were collected from the eastern swale approximately 80 feet east of the pump station (SS-02); the confluence of the two swales where they discharge from the property (SS-01); and upstream of the confluence (SS-03). The surface water sample locations are shown on Figures 2 and 4.

ANALYTICAL RESULTS

Analytical results are summarized on the table provided in Attachment A. Copies of the well gauging, purging, and sampling forms are provided in Attachment B. Laboratory chain-of-custody records are provided in Attachment C. A copy of the laboratory data package for groundwater and surface water sampling is included in Attachment D.

Summary tables listing analytical results compared to applicable NYSDEC AWQS are included in Attachment A, and tag maps illustrating analytical results are provided as Figure 4 and 5.

Metals

Unfiltered surface water samples were collected from the three surface water sampling locations in June and October 2011. Significant results included the following:

- Iron was detected in excess of the NYSDEC AWQS in SS-02 (June and October 2011) and SS-03 (October 2011) at concentrations ranging from 0.63 mg/L (SS-02 October 2011) to 2.1 mg/L (SS-02 June 2011). No other metals exceeded their respective NYSDEC AWQS for Class D surface waters.

Unfiltered groundwater samples were collected from the 8 monitoring wells for metals analyses. Significant results included the following:

- Chromium, hexavalent chromium, iron, magnesium, manganese, selenium and sodium were detected in one or more of the groundwater samples at concentrations in excess of NYSDEC AWQS.
- Chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B and MW-8B at concentrations ranging from 0.0762 milligram per liter (mg/L) (MW-8B) to 0.77 mg/L (MW-2B).
- Hexavalent chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B and MW-8B at concentrations ranging from 0.0762 milligram per liter (mg/L) (MW-8B) to 0.925 mg/L (MW-2B).
- Iron was detected in excess of the NYSDEC AWQS in MW-4B, MW-5B and MW-8B at concentrations ranging from 0.47 mg/L (MW-8B) to 5.4 mg/L (MW-4B).

- Magnesium was detected in excess of the NYSDEC AWQS in MW-1B, MW-4B MW-5B, MW-6B and MW-8B at concentrations ranging from 57.7 mg/L (MW-4B) to 82.3 mg/L (MW-5B).
- Manganese was detected in excess of the NYSDEC AWQS in MW-1B at concentration of 0.66 mg/L.
- Selenium was detected in excess of the NYSDEC AWQS in MW-2B and MW-8B at concentrations of 0.011 mg/L and 0.012 mg/L, respectively.
- Sodium was detected in excess of the NYSDEC AWQS in all 8 monitoring wells at concentrations ranging from 31.2 mg/L (MW-5B) to 125 mg/L (MW-1B).

Water Quality Parameters

Water quality parameters, including pH, temperature, conductivity, dissolved oxygen, turbidity, and salinity, were collected in the field. In addition, water quality parameters, including ammonia (expressed as N), phenolics, and sulfate, were analyzed by the laboratory. Notable results for the eight groundwater monitoring wells included the following:

- Phenolics were detected in excess of the NYSDEC AWQS in MW-1B, MW-2B and MW-7B at concentrations ranging from 0.0056J mg/L (MW-1B) to 0.0111 mg/L (0.0111).
- Sulfate was detected in excess of the NYSDEC AWQS in MW-6B at a concentration of 392 mg/L.
- pH measurements were measured outside the NYSDEC AWQS of 6.5-8.5 standard pH units in monitoring well MW-2B, with a pH value of 12.20.

There were no results above NYSDEC AWQC for the three surface water samples collected in June or October 2011.

LANDFILL INSPECTION

Landfill cap inspections were conducted on 16 March, 16 June, 11 September and 12 November 2011. The completed Landfill Cap Inspection Checklists are provided as Attachment E. No deterioration, damage, or erosion to the landfill cap was noted during the engineering inspections. The following action items were identified during the 1st, 2nd, 3rd and 4th quarters included:

- Piezometers installed as part of the pilot study were painted with safety blue paint and reflective markers added.
- Flocculent secondary containment removed from the site. Chemicals transferred into drums and require disposal.
- Area around T-7 reseeded, and vegetation established.
- Check dam was installed around T-7 outlet pipe to prevent organic matter from clogging outfall pipe.

Additional items noted during the inspection that require corrective measures included addressing rodent population issues by repairing/replacing the shed doors to prevent rodents from accessing the interior spaces and removal of the chemical flocculent.

GCTS OPERATIONS AND MAINTENANCE MONITORING ACTIVITIES

Starting in 2011 routine operations and maintenance of the GCTS is preformed during site visits once per month, which is a reduction from biweekly site visits completed in 2010. Approval for modification to the existing Revised Final Post-Closure Monitoring and Facility Maintenance Plan was given by the NYDSEC in a letter dated 6 June 2011. Activities performed include data collection, cleaning and calibration of pH probes, cleaning of pressure transmitters, operational parameter adjustments based on observed site conditions, and general housekeeping tasks. The replacement of system components, including pumps, pressure transmitters, and pH probes is also scheduled and performed during the routine visits when practicable.

System Operations and Maintenance (January – December 2011)

The GCTS was operated throughout the period of 1 January – 31 December 2011. System monitoring was conducted throughout the operation period. Attachment G provides details of the problems encountered, and the implemented solutions.

During the reporting period, the GCTS operated for 8,755 hours (99.94 percent) pumping 8,534,220 gallons at an average flow rate of 16.2 gallons per minute (gpm). The system went down for 5 hours in November due to a CO₂ tank system failure. Linde personnel as well as Greenstar personnel were dispatched to the site to correct the failure. The system continued to pump to the T-8 emergency overflow pond and no uncontrolled releases of impacted water occurred. The GCTS sampling occurred monthly during the operation period. Samples were collected at various locations within the system to evaluate treatment system performance and compliance with discharge criteria. Annual samples were collected from the system at T3B after CO₂ aeration; T6B after treatment via the zero valence iron tank; after the engineered wetland (EWE); and at the point where the drainage swale exits the site in the southwest corner, when accessible. The samples were analyzed in the field for total chromium and hexavalent chromium using a HACH DR4000[®] spectrophotometer. The HACH DR4000[®] spectrophotometer field method is EPA approved for reporting water and wastewater analyses within a detection limit of 0.006 and 0.005 mg/L for hexavalent chromium, and 0.003 mg/L for total chromium.

The GCTS discharge samples were analyzed in the field, and separate quarterly samples were collected for off-site laboratory analysis at Test America Laboratories of Amherst, New York for a full list of discharge criteria. During the report period, field analysis on 12 February 2011, 6 June 2011, 19 October 2011, 2 December 2011 noted a hexavalent chromium concentration in excess of the NYSDEC discharge guidance value (11 µg/L), in the GCTS discharge sample collected from the SS-01 location in the southwest corner. Confirmatory samples were collected and sent to Test America for analysis. The confirmatory samples indicated non-detect or below NYSDEC discharge guidance value for hexavalent chromium. Field analysis on 12 November 2011 also noted hexavalent chromium concentrations in excess of the NYSDEC discharge guidance value (11 µg/L). Due to Test America closure, no confirmatory sample could be

analyzed. Field sampling results for total and hexavalent chromium can be found in Table 1, and results of the quarterly GCTS discharge samples can be found in Table 2.

Analytical results for the quarterly discharge sampling indicated that NYSDEC discharge guidance values for Total Suspended Solids (10 mg/L) was exceeded during the first, third and fourth quarters with values of 18.8 mg/L, 22.8 mg/L and 32.8 mg/L respectively. The NYSDEC discharge guidance value for Dissolved Oxygen (7 mg/L) was not achieved during the fourth quarter. The dissolved oxygen value during the fourth quarter was 5.3 mg/L. The NYSDEC discharge value for Selenium (0.0046 mg/L) was exceeded during the First quarter with a value of 0.005 mg/L. All other analytical results for the quarterly discharge sampling were in compliance with NYSDEC discharge values. The Laboratory data package for the GCTS discharge sampling can be found in Attachment F.

GCTS Modifications (January – December 2011)

In December 2011, modifications to the GCTS, which were outlined in a Proposal for Data Collection for Alternate Remedial Strategy dated 11 October 2011, were completed. As part of the proposal, one extraction well was installed through the landfill into weathered bedrock and fitted with a 4 in. diameter variable speed submersible pump capable of yielding at least 10 gallons per minute. This installation is part of a pilot study to explore whether dewatering the upper portion of bedrock can prevent leachate generation. The extraction well was installed through the low permeability cap and geosynthetic liner which was repaired and sealed after the installation was complete to prevent precipitation from entering the waste mass. The discharge line for extraction well EW-1 was initially connected to the existing piping network for groundwater to be pumped to the GCTS. However, after startup it was determined that the water quality of the EW-1 discharge would meet the SPDES discharge guidance values and was permitted to discharge directly to the GCTS discharge swale. This change was requested due to fouling of the GCTS discharge line (From T-1 to the GCTS) caused by clean neutral pH water mixing with the high pH leachate which resulted in a calcium precipitate forming and blocking the line. Although controlled by the existing SCADA system, this extraction well is no longer part of the GCTS.

Electrical wiring was run from a junction box that supplies power to the T-1 shed. Power for the submersible pump was run from the junction box to a new NEMA 3R control panel mounted to the exterior of a small (3 ft by 3 ft) concrete vault. A vault was installed to cover the well head to permit winter operation. A control panel was constructed to contain a Modicon PLC which will link to the existing Modicon control system via an Ethernet radio consistent with the existing radio network utilized at the site. A variable frequency drive (VFD) used to control the pump was mounted in the wellhead control panel, along with a small heater to keep control systems at operating temperature during winter. The VFD will be used in conjunction with a pressure transducer placed in EW-1 to maintain a constant head drawdown within the well.

Other than modifications associated with the ongoing pilot study, site activities were limited to routine operations and maintenance and emergency response mobilization to alarm conditions. Routine site maintenance included repairs to pumps, VFDs, and pH probes and routine tank and line cleaning. Routine site maintenance to address some of the deficiencies noted in the engineering inspections was performed. Personnel mobilized to an emergency response on 2

December 11 to replace P3B. Attachment G summarizes monthly operation and maintenance and emergency response in detail for the period January through December 2011, as well as provides details of any proposed operation and maintenance projects and modification improvements to be implemented in the near future.

If you have any questions regarding the results of this Annual 2011 Monitoring Event Letter Report, please do not hesitate to contact the undersigned at (845) 223-9944.

Sincerely,

GREENSTAR ENVIRONMENTAL SOLUTIONS



Charles E. McLeod, Jr., P.E.
Project Manager



Peter L. Nimmer, P.G.
Senior Geologist

Attachment

cc: M. Hinton (NYSDEC)
M. Forcucci (NYSDOH)
Town of Niagara Falls (Town Clerk)

TABLE 1 SUMMARY OF GCTS FIELD SAMPLING RESULTS
1 JANUARY – 31 DECEMBER 2011, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | Chromium Tank 3B | | Iron Tank 6B | | Engineered Wetland | | Southwest Corner | |
|-------------------------|------------------|---------------------|----------------|---------------------|--------------------|---------------------|------------------|---------------------|
| Date | Total Chromium | Hexavalent Chromium | Total Chromium | Hexavalent Chromium | Total Chromium | Hexavalent Chromium | Total Chromium | Hexavalent Chromium |
| 1/24/11 | 125 µg/L | 1 µg/L | 12 µg/L | 0 µg/L | 18 µg/L | 0 µg/L | NS | NS |
| 2/12/11 ⁽¹⁾ | 18 µg/L | 29 µg/L | 61 µg/L | 8 µg/L | 42 µg/L | 0 µg/L | 4.8 µg/L | <10 µg/L |
| 3/16/11 | 84 µg/L | 75 µg/L | 1 µg/L | 21 µg/L | 0 µg/L | 1 µg/L | 19 µg/L | 10 µg/L |
| 4/12/11 | 164 µg/L | 29 µg/L | 4 µg/L | 73 µg/L | 56 µg/L | 0 µg/L | 44 µg/L | 8 µg/L |
| 5/16/11 | 91 µg/L | 105 µg/L | 2 µg/L | 51 µg/L | 0 µg/L | 0 µg/L | 20 µg/L | 8 µg/L |
| 6/16/11 ⁽²⁾ | 80 µg/L | 73 µg/L | 4 µg/L | 0 µg/L | 6 µg/L | 2 µg/L | 1.6J µg/L | <10 µg/L |
| 7/16/11 ⁽³⁾ | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/1/11 | 17 µg/L | 7 µg/L | 32 µg/L | 8 µg/L | 6 µg/L | 2 µg/L | 21 µg/L | 9 µg/L |
| 9/11/11 ⁽⁴⁾ | 100 µg/L | 91 µg/L | 79 µg/L | 82 µg/L | 58 µg/L | 1 µg/L | 1.3J µg/L | 9J µg/L |
| 10/19/11 ⁽⁵⁾ | 92 µg/L | 117 µg/L | 41 µg/L | 53 µg/L | 72 µg/L | 56 µg/L | 1.0J µg/L | <5 µg/L |
| 11/12/11 ⁽⁶⁾ | 128 µg/L | 107 µg/L | 5 µg/L | 14 µg/L | 64 µg/L | 77 µg/L | 64 µg/L | 118 µg/L |
| 12/2/11 ⁽⁷⁾ | 124 µg/L | 131 µg/L | 39 µg/L | 59 µg/L | 15 µg/L | 40 µg/L | <3.1 µg/L | <10 µg/L |

NOTE: NS = Not Sampled

NS – Ice = Not Sampled due to winter weather conditions.

Bold field sample results were in excess of SPDES discharge guidance values.

(1) Confirmation sample sent to Test America for analysis along with quarterly discharge samples. Sample was ND for hexavalent chromium, and below the NYSDEC discharge value for total chromium.

(2) Sample collected and sent to Test America for analysis.

(3) GCTS Maintenance Recording Log misplaced, no field concentrations available.

(4) Sample collected and sent to Test America for analysis.

(5) Confirmation sample sent to Test America for analysis. Sample was ND for hexavalent chromium, and below the NYSDEC discharge value for total chromium.

(6) Test America closed. No confirmation sample analyzed.

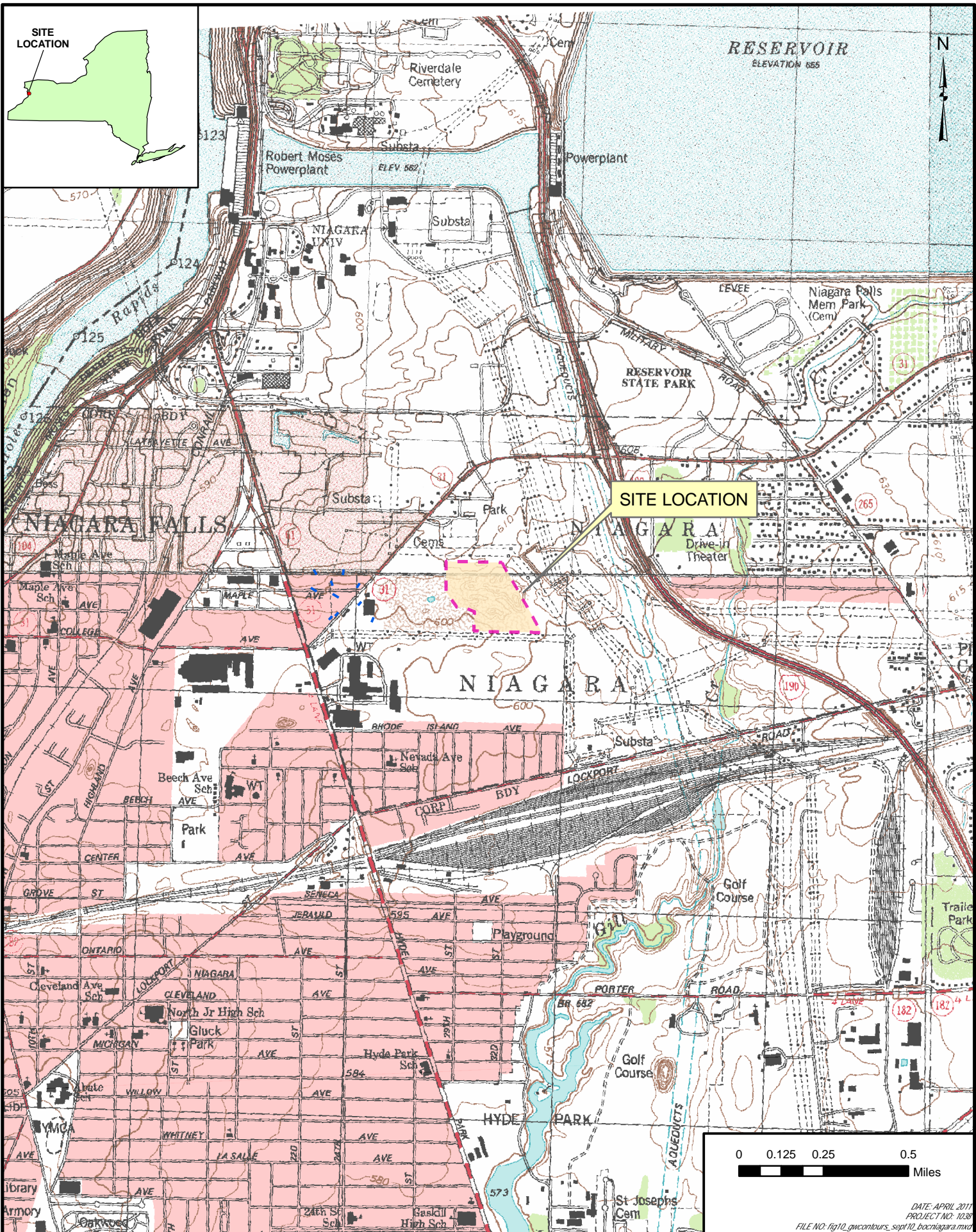
(7) Confirmation sample sent to Test America for analysis along with quarterly discharge samples. Sample was ND for both hexavalent and total chromium.

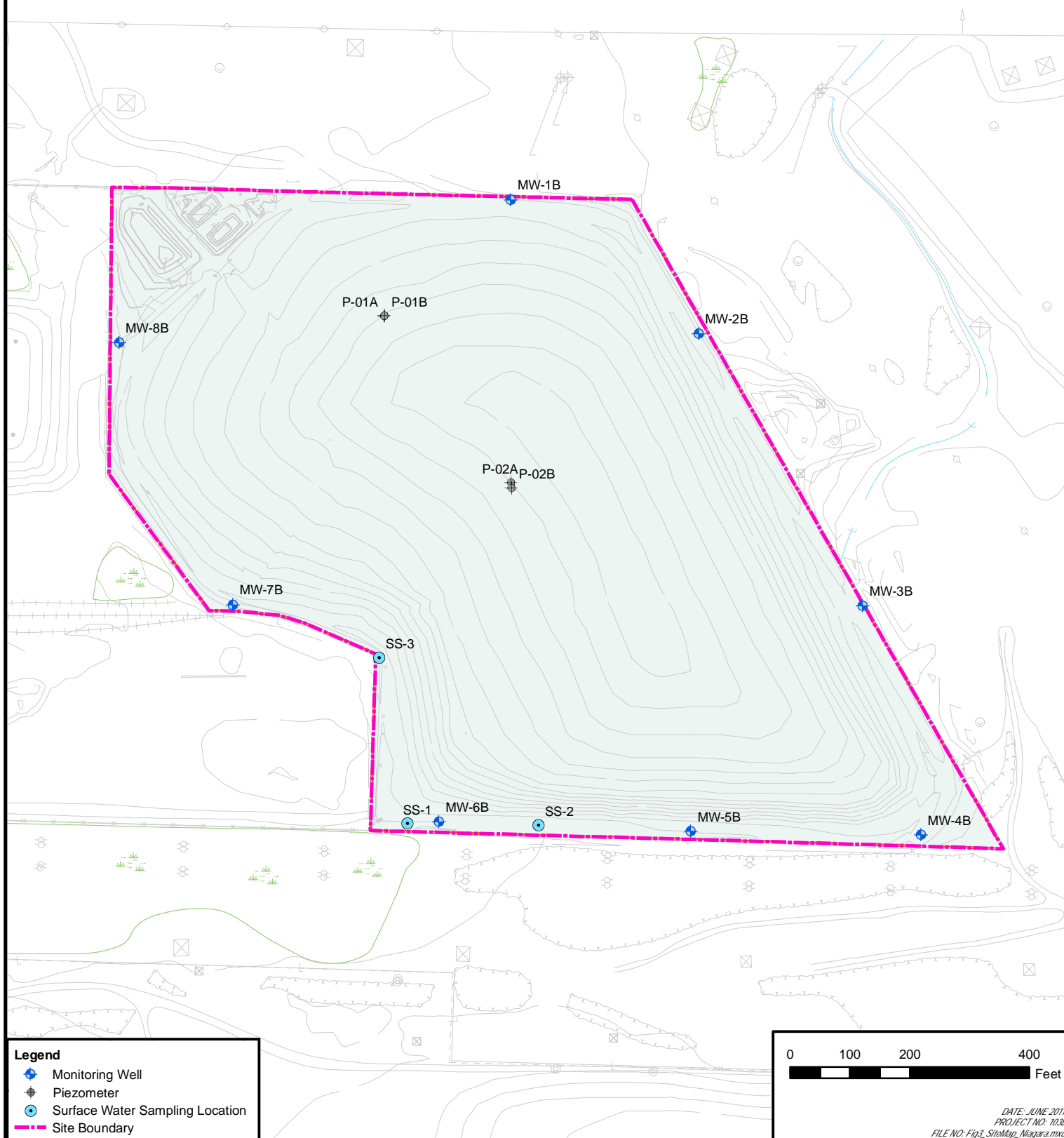
Field samples analyzed using a HACH DR4000® Spectrophotometer.

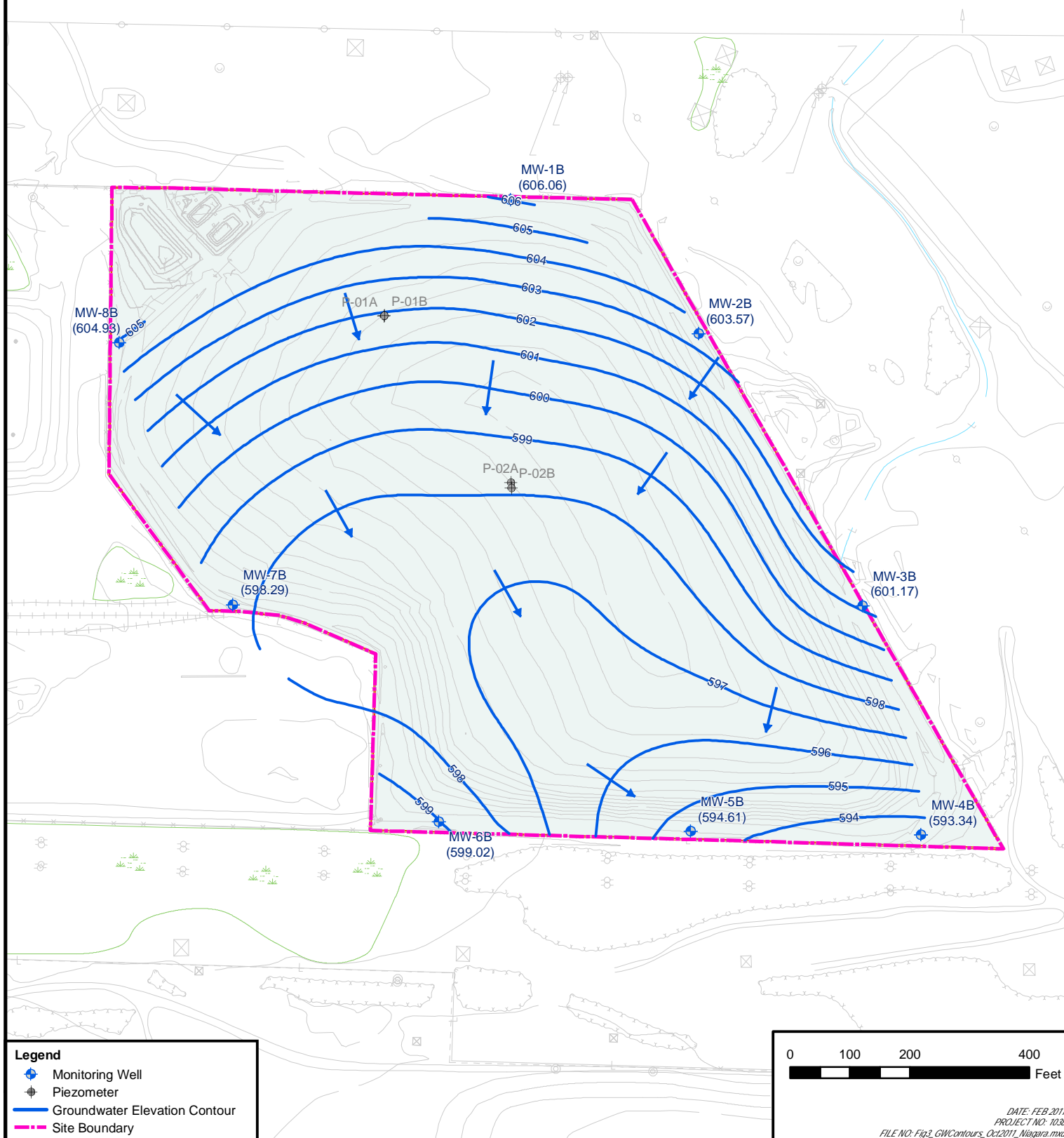
Hach Methods 8023 for Hexavalent Chromium and Hach Method 8084 for Total Chromium.

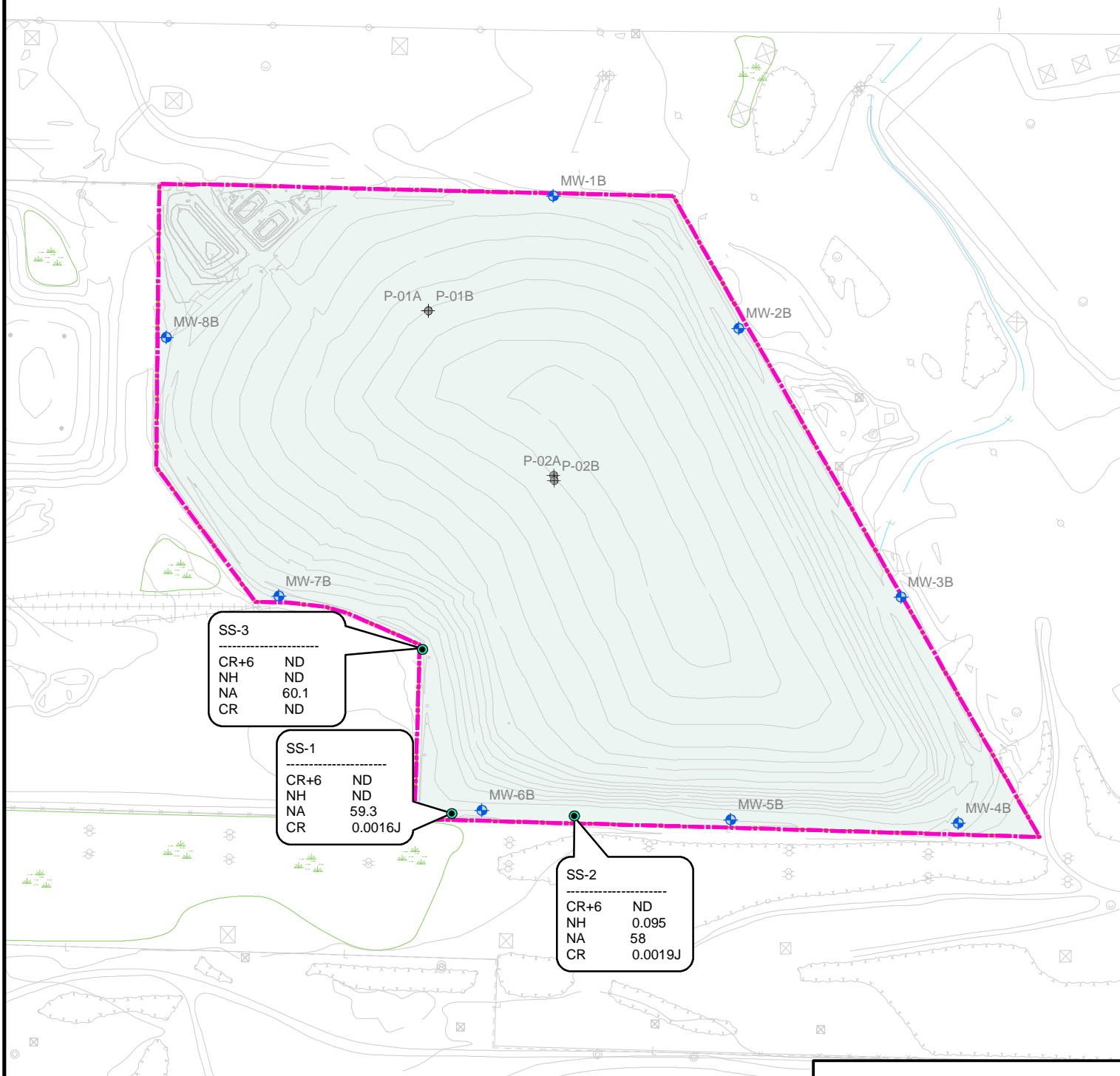
**TABLE 2 SUMMARY OF QUARTERLY GCTS DISCHARGE SAMPLING
1 JANUARY AND 31 DECEMBER 2011,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK**

| Parameter | 12 February 2011 | 16 June 2011 | 9 September 2011 | 18 October 2011 | New York State Department of Environmental Conservation Discharge Criteria |
|--|------------------|--------------|------------------|-----------------|--|
| pH | 7.67 | 7.79 | 7.95 | 7.69 | 6-8 |
| Total suspended solids | 18.8 | <4.0U | 22.8 | 32.8 | 10 mg/L |
| Dissolved Oxygen | 9.5 | 7.4 | 6.6 | 5.3 | 7 mg/L |
| Ammonia as N | 1.4 | <0.020U | <0.020U | <9.2U | 9.2 mg/L |
| Total Kjeldahl nitrogen | 2.4 | 0.28 | 0.21 | 0.41 | Monitor (mg/L) |
| Total Recoverable Phenolics | <0.010U | <0.010U | 0.0065J | <0.010U | 0.008 mg/L |
| Biochemical oxygen demand | <2.0U | <2.0U | <2.0U | <2.0U | 5.0 mg/L |
| 1,1-Dichloroethane | <5U | <5U | <5U | <5U | 5.0 µg/L |
| Trichloroethene | <5U | <5U | <5U | <5U | 5.0 µg/L |
| Nickel | 0.0033J | 0.0019J | 0.0019J | 0.0013J | 0.07 mg/L |
| Copper | 0.0015J | <0.010U | <0.010U | <0.010U | 0.0147 mg/L |
| Barium | 0.253 | 0.21 | 0.216 | 0.195 | 2 mg/L |
| Total chromium | 0.0048 | 0.0016J | 0.0013J | 0.0010J | 0.1 mg/L |
| Hexavalent chromium | <0.010U | <0.010U | 0.0090J | <0.010U | 0.011 mg/L |
| Iron | 0.0508 | 0.036J | 0.142 | 0.0942 | 0.3 mg/L |
| Selenium | 0.005 | <0.015U | 0.00089J | 0.00066J | 0.0046 mg/L |
| Thallium | 0.000018J | <0.20U | <0.00020U | 0.000025J | 0.004 mg/L |
| Zinc | <0.010U | <0.010U | <0.010U | 0.0036J | 0.115 mg/L |
| Nitrate as N | 1.0 | 0.53 | 0.69 | 0.69 | Monitor (mg/L-N) |
| Nitrite as N | <0.050U | <0.050U | <0.050U | <0.050U | Monitor (mg/L-N) |
| Chemical oxygen demand | <10U | <10U | 8.0J | 13.3 | 40 mg/L |
| Total dissolved solids | 1020 | 622 | 531 | 655 | Monitor (mg/L) |
| Values in bold exceeded discharge guidance values. | | | | | |







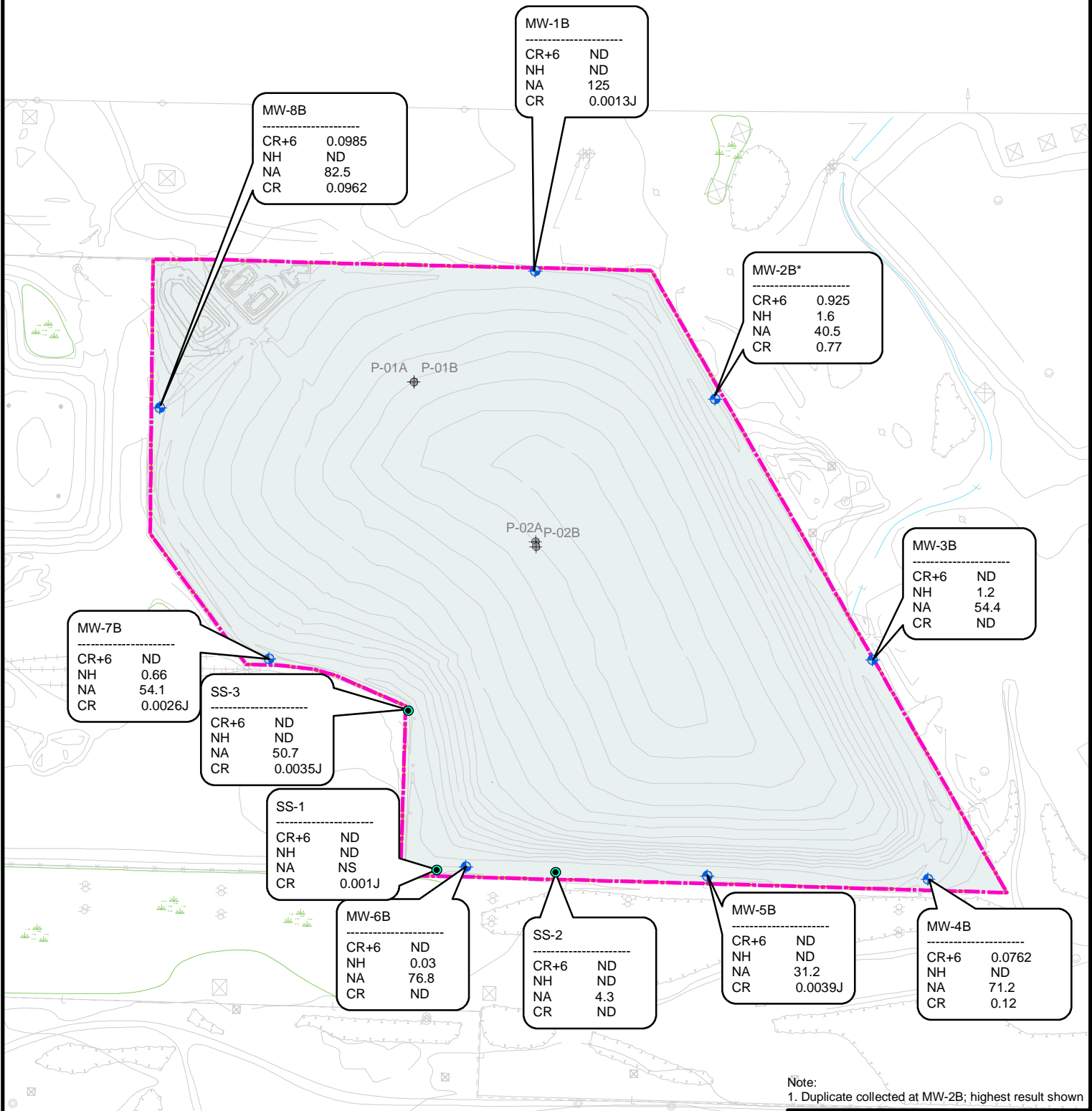


Legend

- Surface Water Sampling Location
- ⊕ Monitoring Well
- ⊕ Piezometer
- Site Boundary

0 100 200 400 Feet

DATE: FEB 2012
PROJECT NO: 1038
FILE NO: Fig4_SWSampleResults_June2011_bocniagara.mxd



Attachment A

Summary of Analytical Results Groundwater and Surface Water Samples June and October 2011

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF SURFACE WATER AND GROUNDWATER SAMPLES COLLECTED
IN JUNE 2011,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Surface Water

Volatile Organic Compounds by EPA Method 624 (µg/L)

| | | |
|--------------------|-------------|----------|
| | | SS-01 |
| Analyte | AWQS | |
| Total VOC | --- | ND |
| 1,1-Dichloroethane | --- | (<0.59U) |
| Trichloroethene | 40 | (<0.6U) |

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

| | | | | |
|----------------------|-------------|------------|------------|------------|
| | | SS-01 | SS-02 | SS-03 |
| Analyte | AWQS | | | |
| Barium | --- | 0.21 | | |
| Cadmium | --- | <0.00033U | <0.00033U | <0.00033U |
| Chromium | --- | 0.0016J | 0.0019J | 0.0013J |
| Chromium, Hexavalent | 0.016 | (<0.005U) | (<0.005U) | (<0.005U) |
| Copper | --- | (<0.0015U) | | |
| Iron | 0.3 | 0.036J | 2.1 | 0.16 |
| Lead | --- | (<0.003U) | 0.011 | (<0.003U) |
| Magnesium | --- | 1.2 | 8.4 | 1.2 |
| Manganese | --- | 0.0031B | 0.2B | 0.0089B |
| Nickel | --- | 0.0019J | | |
| Selenium | 0.0046 | (<0.0087U) | (<0.0087U) | (<0.0087U) |
| Silica | --- | 2.1 | 4.7 | 2.33 |
| Sodium | --- | 59.3 | 58 | 60.1 |
| Thallium | 0.02 | (<0.01U) | (<0.01U) | (<0.01U) |
| Zinc | --- | (<0.0017U) | 0.016B | 0.0017JB |

Water Quality Parameters (mg/L)

| | | | | |
|--------------------------|-------------|-----------|-----------|-----------|
| | | SS-01 | SS-02 | SS-03 |
| Analyte | AWQS | | | |
| Ammonia (expressed as N) | --- | (<0.009U) | 0.095 | (<0.009U) |
| BOD | --- | (<2U) | | |
| COD | --- | (<5U) | | |
| Dissolved Oxygen | --- | 7.4 | | |
| Nitrate (expressed as N) | --- | 0.53 | | |
| Nitrite (expressed as N) | 0.01 | (<0.02U) | | |
| pH | --- | 7.79 | | |
| Phenolics | --- | (<0.005U) | (<0.005U) | (<0.005U) |
| Sulfate | --- | 7.3 | 0.47J | 7.2 |
| TDS | --- | 622 | | |
| TKN | --- | 0.28 | | |
| TSS | --- | (<4U) | | |

TABLE NOTES

- AWQS = New York State Ambient Water Quality Standards and Guidance Values from Water Quality Regulations, Title 6, Chapter X Parts 700-706 August 1999.
- * = Indicates guidance value.
- U = Not detected. Sample quantitation limits shown as (<__U).

Only those analytes detected in at least one of the samples is shown on this table.
Results shaded and in boldface indicate concentrations in excess of New York State Ambient Water Quality Standards or Guidance Values.

Analytical Methods for Water Quality Parameters

| | | |
|---------------------------------|---|-----------|
| Ammonia (expressed as Nitrogen) | = | EPA 350.2 |
| Phenolics | = | EPA 420.2 |
| Silica | = | EPA 6010 |
| Sulfate | = | EPA 375.3 |

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF SURFACE WATER AND GROUNDWATER SAMPLES COLLECTED
IN OCTOBER 2011,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Groundwater

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

| | | MW-1B | MW-2B | MW-2B (Dup) | MW-3B | MW-4B | MW-5B | MW-6B | MW-7B | MW-8B |
|----------------------|-------------|-------------|--------------|----------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Analyte | AWQS | | | | | | | | | |
| Cadmium | 0.005 | 0.00099J | <0.00033U | <0.00033U | <0.00033U | 0.00085J | 0.00034J | <0.00033U | <0.00033U | 0.00065J |
| Chromium | 0.05 | 0.0013J | 0.77 | 0.77 | <0.00087U | 0.12 | 0.0039J | <0.00087U | 0.0026J | 0.076 |
| Chromium, Hexavalent | 0.05 | (<0.005U) | 0.754 | 0.925 | (<0.005U) | 0.0762 | (<0.005U) | (<0.005U) | (<0.005U) | 0.0762 |
| Iron | 0.3 | 0.12 | (<0.019U) | (<0.019U) | 0.042J | 5.4 | 0.6 | 0.28 | 0.095 | 0.47 |
| Lead | 0.025 | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) | (<0.003U) |
| Magnesium | 35* | 62.2 | (<0.043U) | (<0.043U) | 5.8 | 57.7 | 82.3 | 73.1 | 8.3 | 68.3 |
| Manganese | 0.3 | 0.66 | <0.0003U | <0.0003U | 0.0059 | 0.11 | 0.021 | 0.14 | 0.037 | 0.23 |
| Selenium | 0.01 | <0.0087U) | 0.0097J | 0.011J | <0.0087U) | <0.0087U) | <0.0087U) | <0.0087U) | <0.0087U) | 0.012J |
| Silica | --- | 6.91B | 0.509B | 0.496B | 8.26B | 36B | 16.8B | 5.95B | 4.96B | 7.55B |
| Sodium | 20 | 125 | 40.5 | 39.8 | 54.4 | 71.2 | 31.2 | 76.8 | 54.1 | 73.5 |
| Thallium | 0.0005* | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) | (<0.01U) |
| Zinc | 2* | 0.56 | <0.0017U) | 0.0021J | 0.0069J | 0.06 | 0.025 | 0.002J | 0.0023J | 0.12 |

Water Quality Parameters (mg/L)

| | | MW-1B | MW-2B | MW-2B (Dup) | MW-3B | MW-4B | MW-5B | MW-6B | MW-7B | MW-8B |
|--------------------------|-------------|----------------|---------------|----------------|-----------|-----------|-----------|------------|---------------|-----------|
| Analyte | AWQS | | | | | | | | | |
| Ammonia (expressed as N) | 2 | (<0.009U) | 1.6 | 1.6 | 1.2 | (<0.009U) | (<0.009U) | 0.03 | 0.66 | 0.043 |
| Phenolics | 0.001 | 0.0056J | 0.0105 | 0.01 | (<0.005U) | (<0.005U) | (<0.005U) | (<0.005U) | 0.0111 | (<0.005U) |
| Sulfate | 250 | 186 | 21.5 | 21.6 | 66.7 | 153 | 150 | 363 | 30.4 | 193 |

ATTACHMENT A (CONTINUED)

Surface Water**Volatile Organic Compounds by EPA Method 624 (µg/L)**

| | | |
|--------------------|-------------|----------|
| | | SS-01 |
| Analyte | AWQS | |
| Total VOC | --- | ND |
| 1,1-Dichloroethane | --- | (<0.59U) |
| Trichloroethene | 40 | (<0.6U) |

Baseline Metals by EPA Method 200.7 (mg/L)**Total (Unfiltered)**

| | | | | |
|----------------------|-------------|------------|-------------|------------|
| | | SS-01 | SS-02 | SS-03 |
| Analyte | AWQS | | | |
| Barium | --- | 0.195 | | |
| Cadmium | --- | | <0.00033U | <0.00033U |
| Chromium | --- | 0.001J | <0.00087U | 0.0035J |
| Chromium, Hexavalent | 0.016 | (<0.005U) | (<0.005U) | (<0.005U) |
| Copper | --- | (<0.0015U) | | |
| Iron | 0.3 | 0.0942 | 0.63 | 1.6 |
| Lead | --- | | (<0.003U) | (<0.003U) |
| Magnesium | --- | | 20.1 | 7.5 |
| Manganese | --- | | 0.38 | 0.13 |
| Nickel | --- | 0.0013J | | |
| Selenium | 0.0046 | 0.00066J | <0.0087U) | (<0.0087U) |
| Silica | --- | 2.86B | 7.83B | 2.58B |
| Sodium | --- | | 4.3 | 50.7 |
| Thallium | 0.02 | 0.000025J | (<0.01U) | (<0.01U) |
| Zinc | --- | 0.0036J | 0.0049J | 0.02 |

Water Quality Parameters (mg/L)

| | | | | |
|--------------------------|-------------|-----------|-----------|-----------|
| | | SS-01 | SS-02 | SS-03 |
| Analyte | AWQS | | | |
| Ammonia (expressed as N) | --- | (<0.009U) | (<0.009U) | (<0.009U) |
| BOD | --- | (<2U) | | |
| COD | --- | 13.3 | | |
| Dissolved Oxygen | --- | 5.3 | | |
| Nitrate (expressed as N) | --- | 0.69 | | |
| Nitrite (expressed as N) | 0.01 | (<0.02U) | | |
| pH | --- | 7.69 | | |
| Phenolics | --- | (<0.005U) | 0.0206 | 0.0062J |
| Sulfate | --- | 24.5 | 27.8 | 23.4 |
| TDS | --- | 655 | | |
| TKN | --- | 0.41 | | |
| TSS | --- | 32.8 | | |

ATTACHMENT A (CONTINUED)

QA/QC

Volatile Organic Compounds by EPA Method 624 (µg/L)

| | | |
|--------------------|-------------|----------|
| | | TB-01 |
| Analyte | AWQS | |
| Total VOC | --- | ND |
| 1,1-Dichloroethane | --- | (<0.59U) |
| Trichloroethene | --- | (<0.6U) |

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

| | | | |
|----------------------|-------------|------------|------------|
| | | RB-01 | SWB-01 |
| Analyte | AWQS | | |
| Cadmium | --- | <0.00033U | <0.00033U |
| Chromium | --- | <0.00087U | <0.00087U |
| Chromium, Hexavalent | --- | 0.0056J | 0.0056J |
| Iron | --- | (<0.019U) | (<0.019U) |
| Lead | --- | (<0.003U) | (<0.003U) |
| Magnesium | --- | 1.3 | 1.3 |
| Manganese | --- | (<0.0003U) | (<0.0003U) |
| Selenium | --- | (<0.0087U) | (<0.0087U) |
| Silica | --- | 3.89B | 3.78B |
| Sodium | --- | 6.8 | 6.7 |
| Thallium | --- | (<0.01U) | (<0.01U) |
| Zinc | --- | 0.0026J | 0.0022J |

Water Quality Parameters (mg/L)

| | | | |
|--------------------------|-------------|-----------|-----------|
| | | RB-01 | SWB-01 |
| Analyte | AWQS | | |
| Ammonia (expressed as N) | --- | (<0.009U) | (<0.009U) |
| Phenolics | --- | 0.0052J | 0.0054J |
| Sulfate | --- | 6.5 | 6.4 |

TABLE NOTES

- AWQS = New York State Ambient Water Quality Standards and Guidance Values from Water Quality Regulations, Title 6, Chapter X Parts 700-706 August 1999.
- * = Indicates guidance value.
- U = Not detected. Sample quantitation limits shown as (<__U).

Only those analytes detected in at least one of the samples is shown on this table.
Results shaded and in boldface indicate concentrations in excess of New York State Ambient Water Quality Standards or Guidance Values.

Analytical Methods for Water Quality Parameters

| | | |
|---------------------------------|---|-----------|
| Ammonia (expressed as Nitrogen) | = | EPA 350.2 |
| Phenolics | = | EPA 420.2 |
| Silica | = | EPA 6010 |
| Sulfate | = | EPA 375.3 |

Attachment B

Well Gauging, Purging, and Sampling Forms October 2011

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW1B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 11:05 | Well Diameter (in): 2" |

| | |
|----------------------------------|-----------------------------------|
| Purge Date: 10/18/2011 | Purge Time: 38 min. |
| Purge Method: Low-Flow | Greenstar Personnel: NM |

| Well Volume | | |
|---|---|---|
| A. Well Depth (ft): 27.83 | D. Well Volume (ft³): 0.35 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 11.71 | E. Well Volume (L) 10.0 | Pump Type: Peristaltic |
| C. Liquid Depth (ft) (A-B): 16.12 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 11:08 | 12.12 | 0.2 | 0.20 | 9.30 | 1.72 | 0.2 | 1.24 | 12.27 | 74 |
| 11:12 | 12.15 | 1 | 0.20 | 8.93 | 1.74 | 0.0 | 0.75 | 11.98 | 74 |
| 11:16 | 12.19 | 1.8 | 0.20 | 8.51 | 1.74 | 0.0 | 0.62 | 11.83 | 77 |
| 11:20 | 12.19 | 2.6 | 0.20 | 8.09 | 1.74 | 0.1 | 0.56 | 11.73 | 75 |
| 11:24 | 12.19 | 3.4 | 0.20 | 7.79 | 1.73 | 0.0 | 0.50 | 11.66 | 71 |
| 11:28 | 12.19 | 4.2 | 0.20 | 7.61 | 1.72 | 0.1 | 0.48 | 11.69 | 68 |
| 11:32 | 12.19 | 5 | 0.20 | 7.35 | 1.72 | 0.0 | 0.42 | 11.77 | 60 |
| 11:36 | 12.19 | 5.8 | 0.20 | 7.26 | 1.71 | 0.0 | 0.41 | 11.79 | 59 |
| 11:40 | 12.19 | 6.6 | 0.20 | 7.14 | 1.71 | 0.0 | 0.40 | 11.79 | 54 |
| 11:44 | 12.19 | 7.4 | 0.20 | 7.07 | 1.70 | 0.0 | 0.39 | 11.74 | 52 |
| 11:46 | 12.19 | 8.2 | 0.20 | 7.04 | 1.70 | 0.0 | 0.38 | 11.75 | 51 |
| | | | | | | | | | |

| | | | |
|---|------------|---------------------------|-------|
| Total Quantity of Water Removed: | 8.2 L | Sampling Time: | 11:55 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/18/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW2B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 11:10 | Well Diameter (in): 2" |

| | |
|----------------------------------|-----------------------------------|
| Purge Date: 10/18/2011 | Purge Time: 44 min |
| Purge Method: Low-Flow | Greenstar Personnel: NM |

| Well Volume | | |
|---|---|---|
| A. Well Depth (ft): 27.31 | D. Well Volume (ft³): 0.33 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 12.31 | E. Well Volume (L): 9.3 | Pump Type: Peristaltic |
| C. Liquid Depth (ft) (A-B): 15.00 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 9:41 | 12.33 | 0.2 | 0.10 | 11.14 | 1.52 | 0.2 | 3.88 | 10.31 | -210 |
| 9:45 | 12.35 | 0.6 | 0.10 | 11.84 | 2.37 | 0.4 | 3.47 | 10.53 | -176 |
| 9:49 | 12.35 | 1 | 0.10 | 12.05 | 3.61 | 0.0 | 3.42 | 10.73 | -156 |
| 9:53 | 12.35 | 1.4 | 0.10 | 12.14 | 4.17 | 0.0 | 3.37 | 10.90 | -145 |
| 9:57 | 12.35 | 1.7 | 0.10 | 12.19 | 4.68 | 0.3 | 3.31 | 11.15 | -133 |
| 10:01 | 12.35 | 2.1 | 0.10 | 12.22 | 5.08 | 0.0 | 3.29 | 11.40 | -124 |
| 10:05 | 12.35 | 2.4 | 0.10 | 12.23 | 5.26 | 0.5 | 3.21 | 12.23 | -118 |
| 10:09 | 12.35 | 2.7 | 0.10 | 12.22 | 5.32 | 2.7 | 3.30 | 11.76 | -113 |
| 10:13 | 12.35 | 3.1 | 0.10 | 12.21 | 5.15 | 2.7 | 3.39 | 11.94 | -108 |
| 10:17 | 12.35 | 3.5 | 0.10 | 12.20 | 5.02 | 2.7 | 3.43 | 12.13 | -104 |
| 10:21 | 12.35 | 3.9 | 0.10 | 12.20 | 4.99 | 3.8 | 3.44 | 12.21 | -101 |
| 10:25 | 12.35 | 4.3 | 0.10 | 12.20 | 4.95 | 3.5 | 3.58 | 12.36 | -99 |

| | | | |
|---|------------|---------------------------|-----------|
| Total Quantity of Water Removed: | 4.3 L | Sampling Time: | 10:25 |
| Samplers: | NM | Split Sample With: | AP-DUP-01 |
| Sampling Date: | 10/18/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: AP-DUP-01 collected from MW-2B. Well remarked with paint pen.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW3B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: | Well Diameter (in): 2" |

| | |
|-----------------------------------|-----------------------------------|
| Purge Date: 10/16/2011 | Purge Time: 11 min. |
| Purge Method: Hand-Bail | Greenstar Personnel: NM |

| Well Volume | | |
|--|---|---|
| A. Well Depth (ft): 18.41 | D. Well Volume (ft³): 0.18 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 10.05 | E. Well Volume (L): 5.2 | Pump Type: 3' Poly Bailer |
| C. Liquid Depth (ft) (A-B): 8.36 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 11:28 | 16.40 | 5.2 | - | 8.19 | 0.647 | 1.7 | 4.71 | 11.39 | 222 |
| 11:32 | Dry | 7.6 | - | - | - | - | - | - | - |
| 15:49 | 10.33 | - | - | 7.45 | 0.479 | 6.2 | 5.17 | 13.67 | 136 |
| | | | | | | | | | |
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|----------------------------------|------------|--------------------|-------|
| Total Quantity of Water Removed: | 7.6 L | Sampling Time: | 12:10 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/17/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen. Bailer replaced.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW4B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 0:00 | Well Diameter (in): 2" |

| | |
|-----------------------------------|-----------------------------------|
| Purge Date: 10/16/2011 | Purge Time: 4 min. |
| Purge Method: Hand Bail | Greenstar Personnel: NM |

| Well Volume | | |
|--|---|---|
| A. Well Depth (ft): 15.08 | D. Well Volume (ft³): 0.04 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 13.34 | E. Well Volume (L): 1.1 | Pump Type: 3' Poly Bailer |
| C. Liquid Depth (ft) (A-B): 1.74 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 11:45 | 13.34 | 0 | - | 6.26 | 1.01 | 16.0 | 3.28 | 11.62 | 145 |
| 11:49 | Dry | 1.1 | - | - | - | - | - | - | - |
| 15:58 | 13.67 | - | - | 7.43 | 0.92 | 591.0 | 4.93 | 12.49 | 156 |
| | | | | | | | | | |
| | | | | | | | | | |
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|----------------------------------|------------|--------------------|------|
| Total Quantity of Water Removed: | 1.1 L | Sampling Time: | 0:00 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/17/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen. Bailer replaced.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW5B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 11:55 | Well Diameter (in): 2" |

| | |
|-----------------------------------|-----------------------------------|
| Purge Date: 10/16/2011 | Purge Time: 3 min. |
| Purge Method: Hand Bail | Greenstar Personnel: NM |

| Well Volume | | |
|--|---|---|
| A. Well Depth (ft): 14.22 | D. Well Volume (ft³): 0.07 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 10.87 | E. Well Volume (L): 2.1 | Pump Type: 3' Poly Bailer |
| C. Liquid Depth (ft) (A-B): 3.35 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 12:00 | 10.87 | 0 | - | 6.62 | 1.20 | 5.9 | 4.52 | 11.86 | 144 |
| 12:03 | Dry | 2.2 | - | - | - | - | - | - | - |
| 16:04 | 11.72 | - | - | 7.20 | 1.16 | 43.0 | 3.05 | 13.12 | 169 |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

| | | | |
|----------------------------------|------------|--------------------|-------|
| Total Quantity of Water Removed: | 2.2 | Sampling Time: | 12:50 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/17/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen. Bailer replaced.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW6B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 12:11 | Well Diameter (in): 2" |

| | |
|----------------------------------|-----------------------------------|
| Purge Date: 10/18/2011 | Purge Time: 41 min. |
| Purge Method: Low-Flow | Greenstar Personnel: NM |

| Well Volume | | |
|---|---|---|
| A. Well Depth (ft): 23.02 | D. Well Volume (ft³): 0.41 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 4.45 | E. Well Volume (L): 11.5 | Pump Type: Peristaltic |
| C. Liquid Depth (ft) (A-B): 18.57 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 8:22 | 5.42 | 0.2 | 0.10 | 5.97 | 1.31 | 0.0 | 1.59 | 10.60 | 136 |
| 8:25 | 5.71 | 0.5 | 0.10 | 6.26 | 1.29 | 0.0 | 1.17 | 10.78 | 94 |
| 8:29 | 5.91 | 0.9 | 0.10 | 6.40 | 1.28 | 0.0 | 1.00 | 10.75 | 70 |
| 8:33 | 6.16 | 1.3 | 0.10 | 6.54 | 1.27 | 0.0 | 0.89 | 10.86 | 48 |
| 8:37 | 6.50 | 1.7 | 0.10 | 6.64 | 1.27 | 0.0 | 0.76 | 11.04 | 23 |
| 8:41 | 6.71 | 2.1 | 0.10 | 6.67 | 1.26 | 0.0 | 0.67 | 11.23 | 14 |
| 8:45 | 6.89 | 2.5 | 0.10 | 6.71 | 1.26 | 0.0 | 0.66 | 11.36 | 3 |
| 8:49 | 7.27 | 2.9 | 0.10 | 6.74 | 1.26 | 0.0 | 0.60 | 11.47 | -10 |
| 8:53 | 7.55 | 3.3 | 0.10 | 6.77 | 1.26 | 0.0 | 0.60 | 11.50 | -22 |
| 8:57 | 7.81 | 3.7 | 0.10 | 6.79 | 1.26 | 0.0 | 0.56 | 11.53 | -27 |
| 9:01 | 7.99 | 4.1 | 0.10 | 6.80 | 1.26 | 0.0 | 0.54 | 11.55 | -32 |
| | | | | | | | | | |

Total Quantity of Water Removed: 4.1 L
Samplers: NM
Sampling Date: 10/18/2011

Sampling Time: 9:10
Split Sample With: N/A
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well remarked with paint pen. Well produces little water, significant drawdown.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW7B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 12:19 | Well Diameter (in): 2" |

| | |
|----------------------------------|-----------------------------------|
| Purge Date: 10/17/2011 | Purge Time: 30 min. |
| Purge Method: Low-Flow | Greenstar Personnel: NM |

| Well Volume | | |
|---|---|---|
| A. Well Depth (ft): 21.79 | D. Well Volume (ft³): 0.23 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 11.19 | E. Well Volume (L): 6.5 | Pump Type: Peristaltic |
| C. Liquid Depth (ft) (A-B): 10.60 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 12:22 | 12.20 | 0.3 | 0.20 | 7.57 | 0.419 | 0.3 | 1.50 | 13.02 | 56 |
| 12:26 | 13.00 | 0.9 | 0.15 | 7.68 | 0.413 | 0.0 | 0.82 | 13.36 | 9 |
| 12:30 | 13.41 | 1.3 | 0.10 | 7.75 | 0.407 | 0.0 | 0.65 | 13.89 | -32 |
| 12:34 | 13.83 | 1.7 | 0.10 | 7.84 | 0.406 | 0.0 | 0.60 | 14.38 | -60 |
| 12:36 | 14.05 | 2.1 | 0.10 | 7.86 | 0.404 | 0.0 | 0.57 | 14.48 | -67 |
| 12:40 | 14.26 | 2.5 | 0.10 | 7.87 | 0.402 | 0.0 | 0.52 | 14.56 | -81 |
| 12:44 | 14.65 | 2.9 | 0.10 | 7.98 | 0.399 | 0.0 | 0.52 | 14.54 | -85 |
| 12:48 | 15.06 | 3.3 | 0.10 | 7.99 | 0.398 | 0.0 | 0.48 | 14.61 | -90 |
| 12:52 | 15.47 | 3.7 | 0.10 | 7.99 | 0.397 | 0.0 | 0.49 | 14.56 | -95 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|----------------------------------|------------|--------------------|-------|
| Total Quantity of Water Removed: | 3.7 L | Sampling Time: | 13:05 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/18/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen.

WELL GAUGING, PURGING AND SAMPLING FORM

| | | |
|-----------------------------------|--|---------------------------------------|
| Well I.D.: AP-MW8B | Personnel: NM | Client: Linde, Inc. |
| Location: Niagara Falls | Well Condition: Good; Locked | Weather: Cloudy, Windy, 50° |
| Sounding Method: WLI | Gauge Date: 10/16/2011 | Measurement Ref: TOC |
| Stick Up/Down (ft): UP | Gauge Time: 12:28 | Well Diameter (in): 2" |

| | |
|-----------------------------------|-----------------------------------|
| Purge Date: 10/16/2011 | Purge Time: 9 min. |
| Purge Method: Hand Bail | Greenstar Personnel: NM |

| Well Volume | | |
|--|---|---|
| A. Well Depth (ft): 15.51 | D. Well Volume (ft³): 0.19 | Depth/Height of Top of PVC: N/A |
| B. Depth to Water (ft): 6.69 | E. Well Volume (L): 5.4 | Pump Type: 3' Poly Bailer |
| C. Liquid Depth (ft) (A-B): 8.82 | | Pump Designation: N/A |

| Water Quality Parameters | | | | | | | | | |
|--------------------------|---------------|-----------------|------------|---------------|------------------|-----------------|-------------|-------------|----------|
| Time (hrs) | DTW (ft btoc) | Volume (liters) | Rate (Lpm) | pH (pH units) | Conduct. (mS/cm) | Turbidity (NTU) | D.O. (mg/L) | Temp. (° C) | ORP (mv) |
| 12:34 | 15.45 | 5.3 | - | 6.88 | 1.40 | >800 | 4.11 | 12.50 | 143 |
| 12:37 | Dry | 6 | - | - | - | - | - | - | - |
| 16:10 | 6.65 | - | - | 7.19 | 1.36 | 20.4 | 5.02 | 12.74 | 172 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

| | | | |
|----------------------------------|------------|--------------------|-------|
| Total Quantity of Water Removed: | 6 L | Sampling Time: | 13:10 |
| Samplers: | NM | Split Sample With: | N/A |
| Sampling Date: | 10/17/2011 | Sample Type: | GRAB |

COMMENTS AND OBSERVATIONS: Well remarked with paint pen. Bailer replaced.

| Sample ID | Date | Time | Sample Location | Notes |
|-----------|------------|-------|---|---|
| | | | | |
| AP-DUP-01 | 10/18/2011 | N/A | AP-MW-2B | |
| AP-RB-01 | 10/18/2011 | 14:00 | Rinse Blank | Poland Springs H2O off tip of water level meter |
| AP-SWB-01 | 10/18/2011 | 14:10 | Source Water Blank | Poland Spring Water |
| AP-SS-01 | 10/17/2011 | 14:30 | At collection pool b4 leaving property in SW corner | |
| AP-SS-02 | 10/17/2011 | 14:50 | 80' N of MW-6 towards MW-5 | |
| AP-SS-03 | 10/17/2011 | 15:10 | BTW shed and MW-7; drainage swale uphill | |
| AP-EWE-01 | N/A | N/A | At collection pool b4 leaving property in SW corner | Same as AP-SS-01 |
| | | | | |

Attachment C

Chain-of-Custody Records

Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

[illegible]

[illegible]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-1007

| | | | | | |
|------------------------------------|--------------------|--|------------------------------------|----------------------------------|--|
| Client Greentier | | Project Manager Chip McLeod | | Date 10/17/11 | Chain of Custody Number 209543 |
| Address 6 Gellatly Drive | | Telephone Number (Area Code): Fax Number (845) 722-9444 / (845) 223-4455 | | Lab Number | Page 1 of 1 |
| City Wappingers Falls | State NY | Zip Code 12590 | Site Contact Chip McLeod | Lab Contact Peggy Gray | |

Project Name and Location (State)
Zoll Serv. Annual (Air Sampling) - Aisco Lowville, NY

Contract/Purchase Order/Quote No.

| Sample ID No. and Description (Containers for each sample may be contained on one line) | Date | Time | Matrix | | | | | Containers & Preservatives | | | | | | | | | | Analysis (Attach list if more space is needed) | | | | | | | | | | Special Instructions/ Conditions of Receipt |
|--|----------|------|--------|---|---|---|----|----------------------------|----|----|----|----|----|----|----|----|----|--|---|---|---|---|---|---|---|---|---|--|
| | | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | | | | | | | | | | | |
| AP-MW-3B | 10/17/11 | 1210 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-MW-4B | 10/17/11 | 1230 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-MW-5B | 10/17/11 | 1250 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-MW-8B | 10/17/11 | 1310 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-SS-03 | 10/17/11 | 1430 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-SS-02 | 10/17/11 | 1450 | X | | | | | 2 | 2 | 2 | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| AP-SS-01/EWE-01 | 10/17/11 | 1510 | X | | | | | 6 | 2 | 2 | 3 | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Top Blue | N/A | N/A | X | | | | | 1 | | | | | | | | | | | | | | | | | | | | |

Analysis Method/Instrumentation: _____

Non-Hazardous ☐ Hazardous ☐ ☐ Significant ☐ ☐ Poison B ☒ Unknown ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are returned longer than 1 month)

Turn Around Time Required: _____

4 Hours ☐ 24 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other ☒ **Standard**

OC Requirements (Specify): _____

Received By: **[Signature]** Date: **10/17/11** Time: **1705**

Received By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TAL-4124-11007

Contract/Purchase Order/Quote No.

Garter Waybill Number

THE LEADER IN ENVIRONMENTAL TESTING

Analysis (Attach list)

Special Instructions/
Conditions of Receipt

| Contract/Purchase Order/Quote No | | | Matrix | | | | Containers & Preservatives | | | | | | Special Instructions | | | | | Conditions of Receipt | |
|--|----------|------|--------|---------|-------|------|----------------------------|------------------|------------------|-----|------|-------------------|----------------------|-----------|--------------|---------|--------------|-----------------------|-----------|
| Sample I.D. No. and Description (Containers for ea. sample may be combined on one line) | Date | Time | Air | Aqueous | Solid | Soil | Unpres. | HNO ₃ | HNO ₃ | HCl | NaOH | ZnAc ₂ | NaOH | Hydroxide | Formaldehyde | Ammonia | Total Metals | Total Nitrogen | Substrate |
| AP-MW-6B | 10/18/11 | 0910 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-MU-ZB | 10/18/11 | 1025 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-MU-1B | 10/18/11 | 1155 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-MU-7B | 10/18/11 | 1305 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-SUB-21 | 10/18/11 | 1400 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-ED-01 | 10/18/11 | 1410 | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |
| AP-GWDP-01 | 10/18/11 | N/A | X | | | | 2 | 2 | 2 | | | | | X | X | X | X | X | X |

☐ Return To Client
 ☒ Dispose By Lab
 ☐ Archive For _____ Months
 (A fee may be assessed if samples are retained longer than 1 month)

Typical Quick Turn Requirements: ☐ 24 hours ☐ 48 hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other Standard

QC Requirements (Specify): _____

| | | | | | |
|---------------------|----------------------|------------------|-----------------------------|----------------------|------------------|
| Re: <u>10-11-11</u> | Date <u>10/18/11</u> | Time <u>1510</u> | 1. Received By <u>Cal G</u> | Date <u>10/18/11</u> | Time <u>1510</u> |
| Re: <u>10-11-11</u> | Date <u>10/18/11</u> | Time <u>1510</u> | 2. Received By <u>Cal G</u> | Date <u>10/18/11</u> | Time <u>1510</u> |

6. The system is a _____ .

| Category | Sub-category | Frequency | Percentage |
|----------|--------------|-----------|------------|
| General | 1. General | 10 | 10.0% |
| | 2. General | 10 | 10.0% |
| | 3. General | 10 | 10.0% |
| | 4. General | 10 | 10.0% |
| | 5. General | 10 | 10.0% |
| | 6. General | 10 | 10.0% |
| | 7. General | 10 | 10.0% |
| | 8. General | 10 | 10.0% |
| | 9. General | 10 | 10.0% |
| | 10. General | 10 | 10.0% |
| Specific | 1. Specific | 10 | 10.0% |
| | 2. Specific | 10 | 10.0% |
| | 3. Specific | 10 | 10.0% |
| | 4. Specific | 10 | 10.0% |
| | 5. Specific | 10 | 10.0% |
| | 6. Specific | 10 | 10.0% |
| | 7. Specific | 10 | 10.0% |
| | 8. Specific | 10 | 10.0% |
| | 9. Specific | 10 | 10.0% |
| | 10. Specific | 10 | 10.0% |

DISTRIBUTION WH-75 - Returned to CIA with Report CANARY - Stays with the Sample PINK - Field Copy

TestAmerica Burlington
INTERNAL CHAIN OF CUSTODY LOG (ICOC)

[illegible]¹ Extract, digestate, or any other prepared sample that is no longer in original sample container² Military Time

[illegible]¹ Extract, digestate, or any other prepared sample that is no longer in original sample container² Military Time

Chain of Custody Record

Temperature on Receipt

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (100)

| | | | | | |
|---|--------------------|--|------------------------------------|--|--|
| Client Greenstar Environmental | | Project Manager | | Date 2-12-11 | Chain of Custody Number 193209 |
| Address 6 Gellatly Dr. | | Telephone Number (Area Code)/Fax Number (845) 223-9941 | | Lab Number | Page 1 of 1 |
| City Wappingers Falls | State NY | Zip Code 12590 | Site Contact Chip McLeod | Analysis (Attach list if more space is needed) | |
| Project Name and Location (State) Airco Parcel Niagara Falls NY | | | Lab Contact | Special Instructions/ Conditions of Receipt | |
| Contract/Purchase Order/Quote No | | | Carrier/Waybill Number | | |

| Sample ID, No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix | | | | Containers & Preservatives | | | | | | | | | | Analysis (Attach list if more space is needed) | |
|--|----------------|--------------|-----------|-------|------|------|----------------------------|-------|-------|-----|------|-----|------|-----|------|-----|--|----------|
| | | | AP | Water | Soil | Soil | Urethane | MEC/M | HW/CS | ACI | NOCH | THY | NOCH | THY | NOCH | THY | | |
| AP-EWE-01 | 2-12-11 | 13:00 | 12 | | | | | | | | | | | | | | BOD | 1 |
| | | | | | | | | | | | | | | | | | LA. Nitrite | 1 |
| | | | | | | | | | | | | | | | | | LA. Nitrate | 1 |
| | | | | | | | | | | | | | | | | | Phenols | 1 |
| | | | | | | | | | | | | | | | | | Amon. COD: H₂O₂ | 1 |
| | | | | | | | | | | | | | | | | | T-Metals | 1 |
| | | | | | | | | | | | | | | | | | DO | 1 |
| | | | | | | | | | | | | | | | | | TDS | 1 |
| | | | | | | | | | | | | | | | | | ISS | 1 |
| | | | | | | | | | | | | | | | | | 624 VOAS | 3 |

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____
 OC Requirements (Specify)

| | | | | | |
|--|------------------------|----------------------|--------------------------------------|------------------------|---------------------|
| 1. Relinquished By [Signature] | Date 2-12-11 | Time 14:00 | 1. Received By [Signature] | Date 2/12/11 | Time 1400 |
| 2. Relinquished By | Date | Time | 2. Received By | Date | Time |
| 3. Relinquished By | Date | Time | 3. Received By | Date | Time |

Comments
2.4th

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

суб

2.1. LEADERSHIP ENVIRONMENTAL TEACHING

[illegible]

Attachment D

Laboratory Analytical Results for Groundwater and Surface Water Sampling June and October 2011

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-6216-1

Client Project/Site: Greenstar Environmental Solutions, LLC

Sampling Event: Semi-Annual groundwater Monitoring 4,10

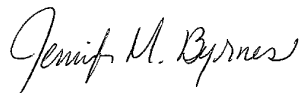
For:

Greenstar Environmental Solutions, LLC

6 Gellatly Drive

Wappingers Falls, New York 12590

Attn: Charles E. McLeod, Jr.



Authorized for release by:

06/29/2011 01:30:19 PM

Jennifer Byrnes

Project Administrator

jennifer.byrnes@testamericainc.com

Designee for

Peggy Gray-Erdmann

Project Manager II

peggy.gray-erdmann@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| F | MS or MSD exceeds the control limits |
| H | Sample was prepped or analyzed beyond the specified holding time |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis. |
| EPA | United States Environmental Protection Agency |
| ND | Not Detected above the reporting level. |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| RE, RE1 (etc.) | Indicates a Re-extraction or Reanalysis of the sample. |
| %R | Percent Recovery |
| RPD | Relative Percent Difference, a measure of the relative difference between two points. |

Case Narrative

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Job ID: 480-6216-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-6216-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

HPLC

No analytical or quality issues were noted.

Metals

Method(s) 200.7 Rev 4.4: The Method Blank for batch 480-20529 contained total manganese and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples SS-01 (480-6216-1), SS-02 (480-6216-2), SS-03 (480-6216-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) SM 5210B: For batch 20546 the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.MHOL1 (480-6180-1)

Method(s) 7196A: The matrix spike (MS) recoveries for batch 20382 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 9040B: Sample 6216-1 was analyzed outside of holding time for pH. This method has a short holding time (<48 hours), and this sample was assigned to this method with insufficient holding time remaining for analysis.

No other analytical or quality issues were noted.

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Client Sample ID: SS-01

Lab Sample ID: 480-6216-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Chromium | 0.0016 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.036 | J | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 1.2 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.0031 | B | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 59.3 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Barium | 0.21 | | 0.0020 | 0.00050 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Nickel | 0.0019 | J | 0.010 | 0.0013 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 1.4 | | 1.0 | 0.44 | ug/L | 1 | | 200.8 | Total/NA |
| Thallium | 0.023 | J | 0.20 | 0.0080 | ug/L | 1 | | 200.8 | Total/NA |
| Silicon | 2100 | | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 7.3 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Total Kjeldahl Nitrogen | 0.28 | | 0.20 | 0.15 | mg/L as N | 1 | | 351.2 | Total/NA |
| Nitrate as N | 0.53 | | 0.050 | 0.011 | mg/L | 1 | | 353.2 | Total/NA |
| Total Dissolved Solids | 622 | | 10.0 | 4.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.79 | H | 0.100 | 0.100 | SU | 1 | | 9040B | Total/NA |
| Oxygen, Dissolved | 7.4 | | 0.050 | 0.050 | mg/L | 1 | | SM 4500 O G | Total/NA |

Client Sample ID: SS-02

Lab Sample ID: 480-6216-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Chromium | 0.0019 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 2.1 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Lead | 0.011 | | 0.0050 | 0.0030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 8.4 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.20 | B | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 58.0 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.016 | B | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 4700 | | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 0.47 | J | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Ammonia as N | 0.095 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |

Client Sample ID: SS-03

Lab Sample ID: 480-6216-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Chromium | 0.0013 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.16 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 1.2 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.0089 | B | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 60.1 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0017 | J B | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 2330 | | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 7.2 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Client Sample ID: SS-01

Lab Sample ID: 480-6216-1

Date Collected: 06/16/11 16:00

Matrix: Water

Date Received: 06/16/11 17:50

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 06/17/11 20:40 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 06/17/11 20:40 | 1 |
| Surrogate | % Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 72 - 130 | | | | | 06/17/11 20:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 97 | | 69 - 121 | | | | | 06/17/11 20:40 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 123 | | | | | 06/17/11 20:40 | 1 |

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Chromium | 0.0016 | J | 0.0040 | 0.00087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Iron | 0.036 | J | 0.050 | 0.019 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Magnesium | 1.2 | | 0.20 | 0.043 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Manganese | 0.0031 | B | 0.0030 | 0.00030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Sodium | 59.3 | | 1.0 | 0.32 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Zinc | ND | | 0.010 | 0.0017 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Barium | 0.21 | | 0.0020 | 0.00050 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Nickel | 0.0019 | J | 0.010 | 0.0013 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |
| Copper | ND | | 0.010 | 0.0015 | mg/L | | 06/20/11 09:40 | 06/21/11 21:15 | 1 |

Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|--------|------|---|----------------|----------------|---------|
| Selenium | 1.4 | | 1.0 | 0.44 | ug/L | | 06/20/11 11:40 | 06/21/11 23:32 | 1 |
| Thallium | 0.023 | J | 0.20 | 0.0080 | ug/L | | 06/20/11 11:40 | 06/21/11 23:32 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 2100 | | 100 | 4.7 | ug/L | | 06/22/11 08:59 | 06/23/11 14:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 7.3 | | 2.0 | 0.35 | mg/L | | | 06/23/11 16:17 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 06/18/11 12:27 | 1 |
| Total Kjeldahl Nitrogen | 0.28 | | 0.20 | 0.15 | mg/L as N | | 06/23/11 10:12 | 06/25/11 16:08 | 1 |
| Nitrate as N | 0.53 | | 0.050 | 0.011 | mg/L | | | 06/17/11 10:49 | 1 |
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 06/17/11 11:17 | 1 |
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 06/28/11 13:25 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 06/22/11 19:30 | 06/23/11 09:02 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 06/17/11 00:27 | 1 |
| Total Dissolved Solids | 622 | | 10.0 | 4.0 | mg/L | | | 06/21/11 15:43 | 1 |
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 06/17/11 17:46 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| pH | 7.79 | H | 0.100 | 0.100 | SU | | | 06/17/11 19:17 | 1 |
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 06/17/11 09:00 | 1 |
| Oxygen, Dissolved | 7.4 | | 0.050 | 0.050 | mg/L | | | 06/16/11 22:55 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Client Sample ID: SS-02

Lab Sample ID: 480-6216-2

Date Collected: 06/16/11 16:10

Matrix: Water

Date Received: 06/16/11 17:50

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Chromium | 0.0019 | J | 0.0040 | 0.00087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Iron | 2.1 | | 0.050 | 0.019 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Lead | 0.011 | | 0.0050 | 0.0030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Magnesium | 8.4 | | 0.20 | 0.043 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Manganese | 0.20 | B | 0.0030 | 0.00030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Sodium | 58.0 | | 1.0 | 0.32 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |
| Zinc | 0.016 | B | 0.010 | 0.0017 | mg/L | | 06/20/11 09:40 | 06/21/11 21:17 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 4700 | | 100 | 4.7 | ug/L | | 06/22/11 08:59 | 06/23/11 14:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 0.47 | J | 2.0 | 0.35 | mg/L | | | 06/23/11 16:27 | 1 |
| Ammonia as N | 0.095 | | 0.020 | 0.0090 | mg/L as N | | | 06/18/11 12:28 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 06/22/11 19:30 | 06/23/11 09:02 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 06/17/11 00:30 | 1 |

Client Sample ID: SS-03

Lab Sample ID: 480-6216-3

Date Collected: 06/16/11 16:20

Matrix: Water

Date Received: 06/16/11 17:50

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Chromium | 0.0013 | J | 0.0040 | 0.00087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Iron | 0.16 | | 0.050 | 0.019 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Magnesium | 1.2 | | 0.20 | 0.043 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Manganese | 0.0089 | B | 0.0030 | 0.00030 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Sodium | 60.1 | | 1.0 | 0.32 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |
| Zinc | 0.0017 | J B | 0.010 | 0.0017 | mg/L | | 06/20/11 09:40 | 06/21/11 21:19 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 2330 | | 100 | 4.7 | ug/L | | 06/22/11 08:59 | 06/23/11 15:02 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 7.2 | | 2.0 | 0.35 | mg/L | | | 06/23/11 16:37 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 06/18/11 12:35 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 06/22/11 23:14 | 06/23/11 09:02 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 06/17/11 00:32 | 1 |

TestAmerica Buffalo

Surrogate Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|-----------------|--------------------|--|-----------------|-----------------|
| | | 12DCE (72-130) | BFB (69-121) | TOL (70-123) |
| 480-6216-1 | SS-01 | 103 | 97 | 101 |
| LCS 480-20476/4 | Lab Control Sample | 109 | 101 | 99 |
| MB 480-20476/6 | Method Blank | 111 | 99 | 97 |

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-20476/6

Matrix: Water

Analysis Batch: 20476

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------------|--------------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 06/17/11 13:44 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 06/17/11 13:44 | 1 |
| Surrogate | MB % Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 72 - 130 | | | | | 06/17/11 13:44 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 69 - 121 | | | | | 06/17/11 13:44 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 123 | | | | | 06/17/11 13:44 | 1 |

Lab Sample ID: LCS 480-20476/4

Matrix: Water

Analysis Batch: 20476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|----------------|---------------|---------------|------|---|-------|---------------|
| 1,1-Dichloroethane | 20.0 | 20.2 | | ug/L | | 101 | 73 - 128 |
| Trichloroethene | 20.0 | 19.2 | | ug/L | | 96 | 67 - 134 |
| Surrogate | LCS % Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 109 | | 72 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | 101 | | 69 - 121 | | | | |
| Toluene-d8 (Surr) | 99 | | 70 - 123 | | | | |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-20529/1-A

Matrix: Water

Analysis Batch: 21065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20529

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Manganese | 0.000660 | J | 0.0030 | 0.00030 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Zinc | 0.00189 | J | 0.010 | 0.0017 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Barium | ND | | 0.0020 | 0.00050 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Nickel | ND | | 0.010 | 0.0013 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |
| Copper | ND | | 0.010 | 0.0015 | mg/L | | 06/20/11 09:40 | 06/21/11 20:58 | 1 |

Lab Sample ID: LCS 480-20529/2-A

Matrix: Water

Analysis Batch: 21065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20529

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------|-------------|------------|---------------|------|---|-------|---------------|
| Cadmium | 0.200 | 0.202 | | mg/L | | 101 | 85 - 115 |
| Chromium | 0.200 | 0.197 | | mg/L | | 98 | 85 - 115 |

TestAmerica Buffalo

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-20529/2-A

Matrix: Water

Analysis Batch: 21065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20529

| Analyte | Spike | | LCS | | Unit | D | % Rec | % Rec. | |
|-----------|-------|--------|-----------|--|------|---|-------|----------|--|
| | Added | Result | Qualifier | | | | | Limits | |
| Iron | 10.0 | 9.71 | | | mg/L | | 97 | 85 - 115 | |
| Lead | 0.200 | 0.196 | | | mg/L | | 98 | 85 - 115 | |
| Magnesium | 10.0 | 9.99 | | | mg/L | | 100 | 85 - 115 | |
| Manganese | 0.200 | 0.201 | | | mg/L | | 101 | 85 - 115 | |
| Selenium | 0.200 | 0.207 | | | mg/L | | 104 | 85 - 115 | |
| Sodium | 10.0 | 10.25 | | | mg/L | | 103 | 85 - 115 | |
| Thallium | 0.200 | 0.196 | | | mg/L | | 98 | 85 - 115 | |
| Zinc | 0.200 | 0.193 | | | mg/L | | 97 | 85 - 115 | |
| Barium | 0.200 | 0.204 | | | mg/L | | 102 | 85 - 115 | |
| Nickel | 0.200 | 0.195 | | | mg/L | | 97 | 85 - 115 | |
| Copper | 0.200 | 0.205 | | | mg/L | | 102 | 85 - 115 | |

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-20686/1-A

Matrix: Water

Analysis Batch: 21076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20686

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|--------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Selenium | ND | | 1.0 | 0.44 | ug/L | | 06/20/11 11:40 | 06/21/11 23:21 | 1 |
| Thallium | ND | | 0.20 | 0.0080 | ug/L | | 06/20/11 11:40 | 06/21/11 23:21 | 1 |

Lab Sample ID: LCS 480-20686/2-A

Matrix: Water

Analysis Batch: 21076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20686

| Analyte | Spike | | LCS | | Unit | D | % Rec | % Rec. | |
|----------|-------|--------|-----------|--|------|---|-------|----------|--|
| | Added | Result | Qualifier | | | | | Limits | |
| Selenium | 20.0 | 20.41 | | | ug/L | | 102 | 85 - 115 | |
| Thallium | 20.0 | 20.27 | | | ug/L | | 101 | 85 - 115 | |

Method: 6010B - Metals (Custom List)

Lab Sample ID: MB 200-19987/1-A

Matrix: Water

Analysis Batch: 20138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19987

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Silicon | ND | | 100 | 4.7 | ug/L | | 06/22/11 08:59 | 06/23/11 14:42 | 1 |

Lab Sample ID: LCS 200-19987/2-A

Matrix: Water

Analysis Batch: 20138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19987

| Analyte | Spike | | LCS | | Unit | D | % Rec | % Rec. | |
|---------|-------|--------|-----------|--|------|---|-------|----------|--|
| | Added | Result | Qualifier | | | | | Limits | |
| Silicon | 1000 | 1011 | | | ug/L | | 101 | 80 - 120 | |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-21221/28

Matrix: Water

Analysis Batch: 21221

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| Sulfate | ND | | 2.0 | 0.35 | mg/L | | | 06/23/11 15:47 | 1 |

Lab Sample ID: LCS 480-21221/27

Matrix: Water

Analysis Batch: 21221

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|----------------|---------------|------------------|------|---|-------|------------------|
| Sulfate | 20.0 | 19.40 | | mg/L | | 97 | 90 - 110 |

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-20616/147

Matrix: Water

Analysis Batch: 20616

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 06/18/11 12:09 | 1 |

Lab Sample ID: MB 480-20616/171

Matrix: Water

Analysis Batch: 20616

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 06/18/11 12:33 | 1 |

Lab Sample ID: LCS 480-20616/148

Matrix: Water

Analysis Batch: 20616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|-------|------------------|
| Ammonia as N | 1.00 | 1.08 | | mg/L as N | | 108 | 90 - 110 |

Lab Sample ID: LCS 480-20616/172

Matrix: Water

Analysis Batch: 20616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|-------|------------------|
| Ammonia as N | 1.00 | 1.07 | | mg/L as N | | 107 | 90 - 110 |

Lab Sample ID: 480-6216-2 MS

Matrix: Water

Analysis Batch: 20616

Client Sample ID: SS-02

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-----------|---|-------|------------------|
| Ammonia as N | 0.095 | | 0.200 | 0.273 | | mg/L as N | | 89 | 54 - 150 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 480-6216-2 DU

Matrix: Water

Analysis Batch: 20616

Client Sample ID: SS-02

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|--------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| Ammonia as N | 0.095 | | 0.0925 | | mg/L as N | | 3 | 20 |

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: LCS 480-21303/2-A

Matrix: Water

Analysis Batch: 21593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21303

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|-------------------------|-------------|------------|---------------|-----------|---|-------|---------------|
| Total Kjeldahl Nitrogen | 2.50 | 2.56 | | mg/L as N | | 102 | 90 - 110 |

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-20479/3

Matrix: Water

Analysis Batch: 20479

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|-----------|--------------|-------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 06/17/11 11:10 | 1 |

Lab Sample ID: LCS 480-20479/4

Matrix: Water

Analysis Batch: 20479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|-------------|------------|---------------|------|---|-------|---------------|
| Nitrite as N | 1.50 | 1.53 | | mg/L | | 102 | 90 - 110 |

Method: 410.4 - COD

Lab Sample ID: MB 480-21850/27

Matrix: Water

Analysis Batch: 21850

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 06/28/11 13:25 | 1 |

Lab Sample ID: LCS 480-21850/28

Matrix: Water

Analysis Batch: 21850

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Chemical Oxygen Demand | 25.0 | 25.48 | | mg/L | | 102 | 90 - 110 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-21162/2-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21162

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 06/22/11 19:30 | 06/23/11 08:12 | 1 |

Lab Sample ID: LCS 480-21162/1-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21162

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Phenolics, Total Recoverable | 100 | 100.3 | | ug/L | | 100 | 90 - 110 |

Lab Sample ID: MB 480-21179/1-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21179

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 06/22/11 21:30 | 06/23/11 08:12 | 1 |

Lab Sample ID: LCS 480-21179/2-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21179

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Phenolics, Total Recoverable | 100 | 106.1 | | ug/L | | 106 | 90 - 110 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-20382/3

Matrix: Water

Analysis Batch: 20382

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|-----------------|------|-----|------|---|----------|----------------|---------|
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 06/17/11 00:23 | 1 |

Lab Sample ID: LCS 480-20382/4

Matrix: Water

Analysis Batch: 20382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Chromium, hexavalent | 50.0 | 52.07 | | ug/L | | 104 | 85 - 115 |

Lab Sample ID: 480-6216-3 MS

Matrix: Water

Analysis Batch: 20382

Client Sample ID: SS-03

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|-------|------------------|
| Chromium, hexavalent | ND | | 50.0 | 31.71 | F | ug/L | | 63 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 480-6216-1 DU
Matrix: Water
Analysis Batch: 20382

Client Sample ID: SS-01
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chromium, hexavalent | ND | | ND | | ug/L | | NC | 15 |

Method: 9040B - pH

Lab Sample ID: LCS 480-20559/1
Matrix: Water
Analysis Batch: 20559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|-------------|------------|---------------|------|---|-------|---------------|
| pH | 7.00 | 7.000 | | SU | | 100 | 99 - 101 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-20805/1
Matrix: Water
Analysis Batch: 20805

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | ND | | 10.0 | 4.0 | mg/L | | | 06/21/11 02:10 | 1 |

Lab Sample ID: LCS 480-20805/2
Matrix: Water
Analysis Batch: 20805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Total Dissolved Solids | 541 | 537.0 | | mg/L | | 99 | 85 - 115 |

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-20434/1
Matrix: Water
Analysis Batch: 20434

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 06/17/11 09:00 | 1 |

Lab Sample ID: LCS 480-20434/2
Matrix: Water
Analysis Batch: 20434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Total Suspended Solids | 296 | 290.0 | | mg/L | | 98 | 88 - 110 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Method: SM 4500 O G - Oxygen, Dissolved

Lab Sample ID: 480-6216-1 DU

Matrix: Water

Analysis Batch: 20391

Client Sample ID: SS-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|-------------------|---------------|------------------|-----------|--------------|------|---|------|-----------|
| Oxygen, Dissolved | 7.4 | | 7.65 | | mg/L | | 3.73 | |

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-20546/1 USB

Matrix: Water

Analysis Batch: 20546

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------|---------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 06/17/11 12:23 | 1 |

Lab Sample ID: LCS 480-20546/2

Matrix: Water

Analysis Batch: 20546

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Biochemical Oxygen Demand | 198 | 202.7 | | mg/L | | 102 | 85 - 115 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

GC/MS VOA

Analysis Batch: 20476

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| LCS 480-20476/4 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 480-20476/6 | Method Blank | Total/NA | Water | 624 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 624 | |

Metals

Prep Batch: 19987

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 200-19987/1-A | Method Blank | Total/NA | Water | 3010A | |
| LCS 200-19987/2-A | Lab Control Sample | Total/NA | Water | 3010A | |
| 480-6216-1 | SS-01 | Total/NA | Water | 3010A | |
| 480-6216-2 | SS-02 | Total/NA | Water | 3010A | |
| 480-6216-3 | SS-03 | Total/NA | Water | 3010A | |

Analysis Batch: 20138

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 200-19987/1-A | Method Blank | Total/NA | Water | 6010B | 19987 |
| LCS 200-19987/2-A | Lab Control Sample | Total/NA | Water | 6010B | 19987 |
| 480-6216-1 | SS-01 | Total/NA | Water | 6010B | 19987 |
| 480-6216-2 | SS-02 | Total/NA | Water | 6010B | 19987 |
| 480-6216-3 | SS-03 | Total/NA | Water | 6010B | 19987 |

Prep Batch: 20529

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 480-20529/1-A | Method Blank | Total/NA | Water | 200.7 | |
| LCS 480-20529/2-A | Lab Control Sample | Total/NA | Water | 200.7 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 200.7 | |
| 480-6216-2 | SS-02 | Total/NA | Water | 200.7 | |
| 480-6216-3 | SS-03 | Total/NA | Water | 200.7 | |

Prep Batch: 20686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 480-20686/1-A | Method Blank | Total/NA | Water | 200.8 | |
| LCS 480-20686/2-A | Lab Control Sample | Total/NA | Water | 200.8 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 200.8 | |

Analysis Batch: 21065

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| MB 480-20529/1-A | Method Blank | Total/NA | Water | 200.7 Rev 4.4 | 20529 |
| LCS 480-20529/2-A | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | 20529 |
| 480-6216-1 | SS-01 | Total/NA | Water | 200.7 Rev 4.4 | 20529 |
| 480-6216-2 | SS-02 | Total/NA | Water | 200.7 Rev 4.4 | 20529 |
| 480-6216-3 | SS-03 | Total/NA | Water | 200.7 Rev 4.4 | 20529 |

Analysis Batch: 21076

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 480-20686/1-A | Method Blank | Total/NA | Water | 200.8 | 20686 |
| LCS 480-20686/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 20686 |
| 480-6216-1 | SS-01 | Total/NA | Water | 200.8 | 20686 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

General Chemistry

Analysis Batch: 20382

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| MB 480-20382/3 | Method Blank | Total/NA | Water | 7196A | |
| LCS 480-20382/4 | Lab Control Sample | Total/NA | Water | 7196A | |
| 480-6216-1 | SS-01 | Total/NA | Water | 7196A | |
| 480-6216-1 DU | SS-01 | Total/NA | Water | 7196A | |
| 480-6216-2 | SS-02 | Total/NA | Water | 7196A | |
| 480-6216-3 | SS-03 | Total/NA | Water | 7196A | |
| 480-6216-3 MS | SS-03 | Total/NA | Water | 7196A | |

Analysis Batch: 20391

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 480-6216-1 | SS-01 | Total/NA | Water | SM 4500 O G | |
| 480-6216-1 DU | SS-01 | Total/NA | Water | SM 4500 O G | |

Analysis Batch: 20434

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| MB 480-20434/1 | Method Blank | Total/NA | Water | SM 2540D | |
| LCS 480-20434/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |
| 480-6216-1 | SS-01 | Total/NA | Water | SM 2540D | |

Analysis Batch: 20479

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| MB 480-20479/3 | Method Blank | Total/NA | Water | 353.2 | |
| LCS 480-20479/4 | Lab Control Sample | Total/NA | Water | 353.2 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 353.2 | |

Analysis Batch: 20481

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-6216-1 | SS-01 | Total/NA | Water | 353.2 | |

Analysis Batch: 20546

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|----------|------------|
| USB 480-20546/1 USB | Method Blank | Total/NA | Water | SM 5210B | |
| LCS 480-20546/2 | Lab Control Sample | Total/NA | Water | SM 5210B | |
| 480-6216-1 | SS-01 | Total/NA | Water | SM 5210B | |

Analysis Batch: 20559

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| LCS 480-20559/1 | Lab Control Sample | Total/NA | Water | 9040B | |
| 480-6216-1 | SS-01 | Total/NA | Water | 9040B | |

Analysis Batch: 20616

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| MB 480-20616/147 | Method Blank | Total/NA | Water | 350.1 | |
| LCS 480-20616/148 | Lab Control Sample | Total/NA | Water | 350.1 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 350.1 | |
| 480-6216-2 | SS-02 | Total/NA | Water | 350.1 | |
| 480-6216-2 DU | SS-02 | Total/NA | Water | 350.1 | |
| 480-6216-2 MS | SS-02 | Total/NA | Water | 350.1 | |
| MB 480-20616/171 | Method Blank | Total/NA | Water | 350.1 | |
| LCS 480-20616/172 | Lab Control Sample | Total/NA | Water | 350.1 | |
| 480-6216-3 | SS-03 | Total/NA | Water | 350.1 | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

General Chemistry (Continued)

Analysis Batch: 20805

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| MB 480-20805/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 480-20805/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| 480-6216-1 | SS-01 | Total/NA | Water | SM 2540C | |

Prep Batch: 21162

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| LCS 480-21162/1-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| MB 480-21162/2-A | Method Blank | Total/NA | Water | Distill/Phenol | |
| 480-6216-1 | SS-01 | Total/NA | Water | Distill/Phenol | |
| 480-6216-2 | SS-02 | Total/NA | Water | Distill/Phenol | |

Prep Batch: 21179

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| MB 480-21179/1-A | Method Blank | Total/NA | Water | Distill/Phenol | |
| LCS 480-21179/2-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| 480-6216-3 | SS-03 | Total/NA | Water | Distill/Phenol | |

Analysis Batch: 21221

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-21221/27 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 480-21221/28 | Method Blank | Total/NA | Water | 300.0 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 300.0 | |
| 480-6216-2 | SS-02 | Total/NA | Water | 300.0 | |
| 480-6216-3 | SS-03 | Total/NA | Water | 300.0 | |

Analysis Batch: 21252

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-21162/1-A | Lab Control Sample | Total/NA | Water | 420.4 | 21162 |
| MB 480-21162/2-A | Method Blank | Total/NA | Water | 420.4 | 21162 |
| MB 480-21179/1-A | Method Blank | Total/NA | Water | 420.4 | 21179 |
| LCS 480-21179/2-A | Lab Control Sample | Total/NA | Water | 420.4 | 21179 |
| 480-6216-3 | SS-03 | Total/NA | Water | 420.4 | 21179 |
| 480-6216-1 | SS-01 | Total/NA | Water | 420.4 | 21162 |
| 480-6216-2 | SS-02 | Total/NA | Water | 420.4 | 21162 |

Prep Batch: 21303

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-21303/2-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 351.2 | |

Analysis Batch: 21593

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-21303/2-A | Lab Control Sample | Total/NA | Water | 351.2 | 21303 |
| 480-6216-1 | SS-01 | Total/NA | Water | 351.2 | 21303 |

Analysis Batch: 21850

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| MB 480-21850/27 | Method Blank | Total/NA | Water | 410.4 | |
| LCS 480-21850/28 | Lab Control Sample | Total/NA | Water | 410.4 | |
| 480-6216-1 | SS-01 | Total/NA | Water | 410.4 | |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Client Sample ID: SS-01

Date Collected: 06/16/11 16:00

Date Received: 06/16/11 17:50

Lab Sample ID: 480-6216-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 20476 | 06/17/11 20:40 | TRB | TAL BUF |
| Total/NA | Prep | 3010A | | | 19987 | 06/22/11 08:59 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 20138 | 06/23/11 14:52 | BAA | TAL BUR |
| Total/NA | Prep | 200.7 | | | 20529 | 06/20/11 09:40 | MM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 21065 | 06/21/11 21:15 | LH | TAL BUF |
| Total/NA | Prep | 200.8 | | | 20686 | 06/20/11 11:40 | MM | TAL BUF |
| Total/NA | Analysis | 200.8 | | 1 | 21076 | 06/21/11 23:32 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 20382 | 06/17/11 00:27 | KS | TAL BUF |
| Total/NA | Analysis | SM 4500 O G | | 1 | 20391 | 06/16/11 22:55 | ML | TAL BUF |
| Total/NA | Analysis | SM 2540D | | 1 | 20434 | 06/17/11 09:00 | MD | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 20479 | 06/17/11 11:17 | LRM | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 20481 | 06/17/11 10:49 | LRM | TAL BUF |
| Total/NA | Analysis | SM 5210B | | 1 | 20546 | 06/17/11 17:46 | AP | TAL BUF |
| Total/NA | Analysis | 9040B | | 1 | 20559 | 06/17/11 19:17 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 20616 | 06/18/11 12:27 | MD | TAL BUF |
| Total/NA | Analysis | SM 2540C | | 1 | 20805 | 06/21/11 15:43 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 21221 | 06/23/11 16:17 | RF | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 21162 | 06/22/11 19:30 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 21252 | 06/23/11 09:02 | JR | TAL BUF |
| Total/NA | Prep | 351.2 | | | 21303 | 06/23/11 10:12 | PN | TAL BUF |
| Total/NA | Analysis | 351.2 | | 1 | 21593 | 06/25/11 16:08 | JR | TAL BUF |
| Total/NA | Analysis | 410.4 | | 1 | 21850 | 06/28/11 13:25 | AP | TAL BUF |

Client Sample ID: SS-02

Date Collected: 06/16/11 16:10

Date Received: 06/16/11 17:50

Lab Sample ID: 480-6216-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 19987 | 06/22/11 08:59 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 20138 | 06/23/11 14:57 | BAA | TAL BUR |
| Total/NA | Prep | 200.7 | | | 20529 | 06/20/11 09:40 | MM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 21065 | 06/21/11 21:17 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 20382 | 06/17/11 00:30 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 20616 | 06/18/11 12:28 | MD | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 21221 | 06/23/11 16:27 | RF | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 21162 | 06/22/11 19:30 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 21252 | 06/23/11 09:02 | JR | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

Client Sample ID: SS-03

Lab Sample ID: 480-6216-3

Date Collected: 06/16/11 16:20

Matrix: Water

Date Received: 06/16/11 17:50

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 19987 | 06/22/11 08:59 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 20138 | 06/23/11 15:02 | BAA | TAL BUR |
| Total/NA | Prep | 200.7 | | | 20529 | 06/20/11 09:40 | MM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 21065 | 06/21/11 21:19 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 20382 | 06/17/11 00:32 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 20616 | 06/18/11 12:35 | MD | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 21221 | 06/23/11 16:37 | RF | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 21179 | 06/22/11 23:14 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 21252 | 06/23/11 09:02 | JR | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|------------------------|---------------|--------------------|------------|------------------|
| TestAmerica Buffalo | Arkansas | State Program | 6 | 88-0686 |
| TestAmerica Buffalo | California | NELAC | 9 | 1169CA |
| TestAmerica Buffalo | Connecticut | State Program | 1 | PH-0568 |
| TestAmerica Buffalo | Florida | NELAC | 4 | E87672 |
| TestAmerica Buffalo | Georgia | Georgia EPD | 4 | N/A |
| TestAmerica Buffalo | Georgia | State Program | 4 | 956 |
| TestAmerica Buffalo | Illinois | NELAC | 5 | 100325 / 200003 |
| TestAmerica Buffalo | Iowa | State Program | 7 | 374 |
| TestAmerica Buffalo | Kansas | NELAC | 7 | E-10187 |
| TestAmerica Buffalo | Kentucky | Kentucky UST | 4 | 30 |
| TestAmerica Buffalo | Kentucky | State Program | 4 | 90029 |
| TestAmerica Buffalo | Louisiana | NELAC | 6 | 02031 |
| TestAmerica Buffalo | Maine | State Program | 1 | NY0044 |
| TestAmerica Buffalo | Maryland | State Program | 3 | 294 |
| TestAmerica Buffalo | Massachusetts | State Program | 1 | M-NY044 |
| TestAmerica Buffalo | Michigan | State Program | 5 | 9937 |
| TestAmerica Buffalo | Minnesota | NELAC | 5 | 036-999-337 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 68-00281 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 2337 |
| TestAmerica Buffalo | New Jersey | NELAC | 2 | NY455 |
| TestAmerica Buffalo | New York | NELAC | 2 | 10026 |
| TestAmerica Buffalo | North Dakota | State Program | 8 | R-176 |
| TestAmerica Buffalo | Oklahoma | State Program | 6 | 9421 |
| TestAmerica Buffalo | Oregon | NELAC | 10 | NY200003 |
| TestAmerica Buffalo | Pennsylvania | NELAC | 3 | 68-00281 |
| TestAmerica Buffalo | Tennessee | State Program | 4 | TN02970 |
| TestAmerica Buffalo | Texas | NELAC | 6 | T104704412-08-TX |
| TestAmerica Buffalo | USDA | USDA | | P330-08-00242 |
| TestAmerica Buffalo | Virginia | State Program | 3 | 278 |
| TestAmerica Buffalo | Washington | State Program | 10 | C1677 |
| TestAmerica Buffalo | West Virginia | West Virginia DEP | 3 | 252 |
| TestAmerica Buffalo | Wisconsin | State Program | 5 | 998310390 |
| TestAmerica Burlington | ACCLASS | DoD ELAP | | ADE-1492 |
| TestAmerica Burlington | Connecticut | State Program | 1 | PH-0751 |
| TestAmerica Burlington | Delaware | Delaware DNREC | 3 | NA |
| TestAmerica Burlington | Florida | NELAC Secondary AB | 4 | E87467 |
| TestAmerica Burlington | Maine | State Program | 1 | VT00008 |
| TestAmerica Burlington | Minnesota | State Program | 5 | 050-999-436 |
| TestAmerica Burlington | New Hampshire | NELAC | 1 | 200610 |
| TestAmerica Burlington | New Jersey | NELAC | 2 | VT972 |
| TestAmerica Burlington | New York | NELAC | 2 | 10391 |
| TestAmerica Burlington | Pennsylvania | NELAC | 3 | 68-00489 |
| TestAmerica Burlington | Rhode Island | State Program | 1 | LAO00298 |
| TestAmerica Burlington | USDA | USDA | | P330-11-00093 |
| TestAmerica Burlington | Vermont | State Program | 1 | VT-4000 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

| Method | Method Description | Protocol | Laboratory |
|---------------|------------------------------------|-----------|------------|
| 624 | Volatile Organic Compounds (GC/MS) | 40CFR136A | TAL BUF |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | TAL BUF |
| 200.8 | Metals (ICP/MS) | EPA | TAL BUF |
| 6010B | Metals (Custom List) | SW846 | TAL BUR |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL BUF |
| 350.1 | Nitrogen, Ammonia | MCAWW | TAL BUF |
| 351.2 | Nitrogen, Total Kjeldahl | MCAWW | TAL BUF |
| 353.2 | Nitrogen, Nitrite | MCAWW | TAL BUF |
| 353.2 | Nitrate | EPA | TAL BUF |
| 410.4 | COD | MCAWW | TAL BUF |
| 420.4 | Phenolics, Total Recoverable | MCAWW | TAL BUF |
| 7196A | Chromium, Hexavalent | SW846 | TAL BUF |
| 9040B | pH | SW846 | TAL BUF |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | TAL BUF |
| SM 2540D | Solids, Total Suspended (TSS) | SM | TAL BUF |
| SM 4500 O G | Oxygen, Dissolved | SM | TAL BUF |
| SM 5210B | BOD, 5-Day | SM | TAL BUF |

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-6216-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-6216-1 | SS-01 | Water | 06/16/11 16:00 | 06/16/11 17:50 |
| 480-6216-2 | SS-02 | Water | 06/16/11 16:10 | 06/16/11 17:50 |
| 480-6216-3 | SS-03 | Water | 06/16/11 16:20 | 06/16/11 17:50 |

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Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-6216-1

Login Number: 6216

List Source: TestAmerica Buffalo

List Number: 1

Creator: Szymanski, Andrew

| Question | Answer | Comment |
|--|--------|-----------|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | True | Greenstar |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | True | |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-6216-1

Login Number: 6216

List Source: TestAmerica Burlington

List Number: 1

List Creation: 06/21/11 02:55 PM

Creator: Marion, Greg T

| Question | Answer | Comment |
|--|--------|---|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact. | True | 792133 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | False | Thermal preservation not required. |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 24.2°C IR GUN ID 96/CF= 0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | N/A | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | N/A | |
| Residual Chlorine Checked. | N/A | Check done at department level as required. |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-11355-1

Client Project/Site: Greenstar Environmental Solutions, LLC

Sampling Event: Semi-Annual groundwater Monitoring 4,10

For:

Greenstar Environmental Solutions, LLC

6 Gellatly Drive

Wappingers Falls, New York 12590

Attn: Charles E. McLeod, Jr.

Peggy Gray-Erdmann

Authorized for release by:

11/7/2011 12:17:22 PM

Peggy Gray-Erdmann

Project Manager II

peggy.gray-erdmann@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| 4 | MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| E | Result exceeded calibration range. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| b | Result Detected in the USB |
| F | MS or MSD exceeds the control limits |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Job ID: 480-11355-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-11355-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

HPLC

Method(s) 300.0: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for batch 32466 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 300.0: The following samples were diluted due to the abundance of target analytes: (480-11355-3 MS), (480-11355-3 MSD), AP-MW-4B (480-11355-2), AP-MW-5B (480-11355-3). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted due to the abundance of target analytes: AP-MW-1B (480-11387-1), AP-MW-6B (480-11387-3), AP-MW-8B (480-11355-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method(s) 200.7 Rev 4.4: The recoveries of Post Spike, (480-11355-1 PDS), in batch 480-35922 exhibited results outside the quality control limits for total cadmium, chromium, iron, magnesium, manganese, sodium, lead, selenium, and thallium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 200.7 Rev 4.4: The recoveries of Post Spike, (480-11387-3 PDS), in batch 480-36075 exhibited results outside the quality control limits for total magnesium and sodium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 200.7 Rev 4.4: The recovery of Post Spike, (480-11355-3 PDS), in batch 36308 exhibited results below the quality control limits for total sodium, magnesium, barium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 37197 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-11387-3 MS), (480-11387-3 MSD)

Method(s) SM 5210B: The dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

Method(s) 7196A, SM 3500 CR D: The matrix spike (MS) recoveries for batch 31476 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 9040B: The following sample was logged in with greater than 50% of holding time expired: AP-SS-01/EWE-01 (480-11355-7). As such, the laboratory had insufficient time remaining to perform the analysis within holding time.

Method(s) SM 4500 O G: The following sample(s) was received within Holding Time, but was logged in after Holding Time expired: AP-SS-01/EWE-01 (480-11355-7).

No other analytical or quality issues were noted.

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-3B

Lab Sample ID: 480-11355-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Iron | 0.042 | J | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 5.8 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.0059 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 54.4 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0069 | J | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 8260 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 66.7 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Ammonia as N | 1.2 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |

Client Sample ID: AP-MW-4B

Lab Sample ID: 480-11355-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Cadmium | 0.00085 | J | 0.0010 | 0.00033 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 0.12 | | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 5.4 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 57.7 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.11 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 71.2 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.060 | | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 36000 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 153 | | 4.0 | 0.70 | mg/L | 2 | | 300.0 | Total/NA |
| Chromium, hexavalent | 76.2 | | 10.0 | 5.0 | ug/L | 1 | | 7196A | Total/NA |

Client Sample ID: AP-MW-5B

Lab Sample ID: 480-11355-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------|---------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Cadmium | 0.00034 | J | 0.0010 | 0.00033 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 0.0039 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.60 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 82.3 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.021 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 31.2 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.025 | | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 16800 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 150 | | 4.0 | 0.70 | mg/L | 2 | | 300.0 | Total/NA |

Client Sample ID: AP-MW-8B

Lab Sample ID: 480-11355-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Cadmium | 0.00065 | J | 0.0010 | 0.00033 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 0.076 | | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.47 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 68.3 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.23 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 0.012 | J | 0.015 | 0.0087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 73.5 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.12 | | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 7550 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 193 | | 10.0 | 1.7 | mg/L | 5 | | 300.0 | Total/NA |
| Ammonia as N | 0.043 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |
| Chromium, hexavalent | 76.2 | | 10.0 | 5.0 | ug/L | 1 | | 7196A | Total/NA |

Client Sample ID: AP-SS-03

Lab Sample ID: 480-11355-5

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-SS-03 (Continued)

Lab Sample ID: 480-11355-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Chromium | 0.0035 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 1.6 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 7.5 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.13 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 50.7 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.020 | | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 2580 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 23.4 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Phenolics, Total Recoverable | 6.2 | J | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |

Client Sample ID: AP-SS-02

Lab Sample ID: 480-11355-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Iron | 0.63 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 20.1 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.38 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 4.3 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0049 | J | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 7830 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 27.8 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Phenolics, Total Recoverable | 20.6 | | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |

Client Sample ID: AP-SS-01/EWE-01

Lab Sample ID: 480-11355-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|--------|-----------|---------|---|---------------|-----------|
| Barium | 195 | | 2.0 | 0.50 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 1.0 | J | 4.0 | 0.87 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 94.2 | | 50.0 | 19.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Nickel | 1.3 | J | 10.0 | 1.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 3.6 | J | 10.0 | 1.7 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 0.66 | J | 1.0 | 0.44 | ug/L | 1 | | 200.8 | Total/NA |
| Thallium | 0.025 | J | 0.20 | 0.0080 | ug/L | 1 | | 200.8 | Total/NA |
| Silicon | 2860 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 24.5 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Total Kjeldahl Nitrogen | 0.41 | | 0.20 | 0.15 | mg/L as N | 1 | | 351.2 | Total/NA |
| Nitrate as N | 0.69 | | 0.050 | 0.011 | mg/L | 1 | | 353.2 | Total/NA |
| Chemical Oxygen Demand | 13.3 | | 10.0 | 5.0 | mg/L | 1 | | 410.4 | Total/NA |
| Total Dissolved Solids | 655 | | 10.0 | 4.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.69 | H | 0.100 | 0.100 | SU | 1 | | 9040B | Total/NA |
| Total Suspended Solids | 32.8 | | 4.0 | 4.0 | mg/L | 1 | | SM 2540D | Total/NA |
| Oxygen, Dissolved | 5.3 | H | 0.050 | 0.050 | mg/L | 1 | | SM 4500 O G | Total/NA |

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-11355-8

No Detections

Client Sample ID: AP-MW-1B

Lab Sample ID: 480-11387-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|---------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Cadmium | 0.00099 | J | 0.0010 | 0.00033 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 0.0013 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.12 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-1B (Continued)

Lab Sample ID: 480-11387-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Magnesium | 62.2 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.66 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 125 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.56 | | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 6910 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 186 | | 4.0 | 0.70 | mg/L | 2 | | 300.0 | Total/NA |
| Phenolics, Total Recoverable | 5.6 | J | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |

Client Sample ID: AP-MW-2B

Lab Sample ID: 480-11387-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Chromium | 0.77 | | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 0.0097 | J | 0.015 | 0.0087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 40.5 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 509 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 21.5 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Ammonia as N | 1.6 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |
| Phenolics, Total Recoverable | 10.5 | | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |
| Chromium, hexavalent | 754 | | 20.0 | 10.0 | ug/L | 2 | | 7196A | Total/NA |

Client Sample ID: AP-MW-6B

Lab Sample ID: 480-11387-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Iron | 0.28 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 73.1 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.14 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 76.8 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0020 | J | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 5950 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 363 | | 10.0 | 1.7 | mg/L | 5 | | 300.0 | Total/NA |
| Ammonia as N | 0.030 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |

Client Sample ID: AP-MW-7B

Lab Sample ID: 480-11387-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|---------|-----------|---------|---|---------------|-----------|
| Chromium | 0.0026 | J | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 0.095 | | 0.050 | 0.019 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Magnesium | 8.3 | | 0.20 | 0.043 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Manganese | 0.037 | | 0.0030 | 0.00030 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 54.1 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0023 | J | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 4960 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |
| Sulfate | 30.4 | | 2.0 | 0.35 | mg/L | 1 | | 300.0 | Total/NA |
| Ammonia as N | 0.66 | | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |
| Phenolics, Total Recoverable | 11.1 | | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |

Client Sample ID: AP-GW-DUP-01

Lab Sample ID: 480-11387-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|--------|---------|------|---------|---|---------------|-----------|
| Chromium | 0.77 | | 0.0040 | 0.00087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 0.011 | J | 0.015 | 0.0087 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 39.8 | | 1.0 | 0.32 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0021 | J | 0.010 | 0.0017 | mg/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 496 | B | 100 | 4.7 | ug/L | 1 | | 6010B | Total/NA |

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-GW-DUP-01 (Continued)

Lab Sample ID: 480-11387-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-------|--------|-----------|-----|-----|---|--------|-----------|
| Sulfate | 21.6 | | 2.0 | 0.35 | mg/L | 1 | | | 300.0 | Total/NA |
| Ammonia as N | 1.6 | | 0.020 | 0.0090 | mg/L as N | 1 | | | 350.1 | Total/NA |
| Phenolics, Total Recoverable | 10 | | 10.0 | 5.0 | ug/L | 1 | | | 420.4 | Total/NA |
| Chromium, hexavalent | 925 | | 50.0 | 25.0 | ug/L | 5 | | | 7196A | Total/NA |

Client Sample ID: AP-RB-01

Lab Sample ID: 480-11387-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-------|--------|------|-----|-----|---|---------------|-----------|
| Magnesium | 1.3 | | 0.20 | 0.043 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 6.8 | | 1.0 | 0.32 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0026 | J | 0.010 | 0.0017 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 3890 | B | 100 | 4.7 | ug/L | 1 | | | 6010B | Total/NA |
| Sulfate | 6.5 | | 2.0 | 0.35 | mg/L | 1 | | | 300.0 | Total/NA |
| Phenolics, Total Recoverable | 5.2 | J | 10.0 | 5.0 | ug/L | 1 | | | 420.4 | Total/NA |
| Chromium, hexavalent | 5.6 | J | 10.0 | 5.0 | ug/L | 1 | | | 7196A | Total/NA |

Client Sample ID: AP-SWB-01

Lab Sample ID: 480-11387-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-------|--------|------|-----|-----|---|---------------|-----------|
| Magnesium | 1.3 | | 0.20 | 0.043 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Sodium | 6.7 | | 1.0 | 0.32 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Zinc | 0.0022 | J | 0.010 | 0.0017 | mg/L | 1 | | | 200.7 Rev 4.4 | Total/NA |
| Silicon | 3780 | B | 100 | 4.7 | ug/L | 1 | | | 6010B | Total/NA |
| Sulfate | 6.4 | | 2.0 | 0.35 | mg/L | 1 | | | 300.0 | Total/NA |
| Phenolics, Total Recoverable | 5.4 | J | 10.0 | 5.0 | ug/L | 1 | | | 420.4 | Total/NA |
| Chromium, hexavalent | 5.6 | J | 10.0 | 5.0 | ug/L | 1 | | | 7196A | Total/NA |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-3B

Date Collected: 10/17/11 12:10

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-1

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Iron | 0.042 | J | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Magnesium | 5.8 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Manganese | 0.0059 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Sodium | 54.4 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |
| Zinc | 0.0069 | J | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/18/11 20:24 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-------------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 8260 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:26 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-------------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 66.7 | | 2.0 | 0.35 | mg/L | | | 10/26/11 10:06 | 1 |
| Ammonia as N | 1.2 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 13:58 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:22 | 11/03/11 18:49 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample ID: AP-MW-4B

Date Collected: 10/17/11 12:30

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-2

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|----------------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | 0.00085 | J | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Chromium | 0.12 | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Iron | 5.4 | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Magnesium | 57.7 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Manganese | 0.11 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Sodium | 71.2 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |
| Zinc | 0.060 | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 22:38 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 36000 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:31 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-------------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 153 | | 4.0 | 0.70 | mg/L | | | 10/27/11 20:45 | 2 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 13:59 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:22 | 11/03/11 18:49 | 1 |
| Chromium, hexavalent | 76.2 | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-5B

Lab Sample ID: 480-11355-3

Date Collected: 10/17/11 12:50

Matrix: Water

Date Received: 10/17/11 17:05

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | 0.00034 | J | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Chromium | 0.0039 | J | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Iron | 0.60 | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Magnesium | 82.3 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Manganese | 0.021 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Sodium | 31.2 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |
| Zinc | 0.025 | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 22:40 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 16800 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:36 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 150 | | 4.0 | 0.70 | mg/L | | | 10/27/11 20:55 | 2 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:00 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:22 | 11/03/11 18:49 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample ID: AP-MW-8B

Lab Sample ID: 480-11355-4

Date Collected: 10/17/11 13:10

Matrix: Water

Date Received: 10/17/11 17:05

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | 0.00065 | J | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Chromium | 0.076 | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Iron | 0.47 | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Magnesium | 68.3 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Manganese | 0.23 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Selenium | 0.012 | J | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Sodium | 73.5 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |
| Zinc | 0.12 | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 22:55 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 7550 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 193 | | 10.0 | 1.7 | mg/L | | | 10/27/11 22:06 | 5 |
| Ammonia as N | 0.043 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:01 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:26 | 11/03/11 18:58 | 1 |
| Chromium, hexavalent | 76.2 | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-SS-03

Lab Sample ID: 480-11355-5

Date Collected: 10/17/11 14:30

Matrix: Water

Date Received: 10/17/11 17:05

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Chromium | 0.0035 | J | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Iron | 1.6 | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Magnesium | 7.5 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Manganese | 0.13 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Sodium | 50.7 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |
| Zinc | 0.020 | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 22:57 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 2580 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:47 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 23.4 | | 2.0 | 0.35 | mg/L | | | 10/26/11 10:46 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:02 | 1 |
| Phenolics, Total Recoverable | 6.2 | J | 10.0 | 5.0 | ug/L | | 11/03/11 16:26 | 11/03/11 18:58 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample ID: AP-SS-02

Lab Sample ID: 480-11355-6

Date Collected: 10/17/11 14:50

Matrix: Water

Date Received: 10/17/11 17:05

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Iron | 0.63 | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Magnesium | 20.1 | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Manganese | 0.38 | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Sodium | 4.3 | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |
| Zinc | 0.0049 | J | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 23:00 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 7830 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 27.8 | | 2.0 | 0.35 | mg/L | | | 10/26/11 10:56 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:03 | 1 |
| Phenolics, Total Recoverable | 20.6 | | 10.0 | 5.0 | ug/L | | 11/03/11 16:26 | 11/03/11 18:58 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-SS-01/EWE-01

Lab Sample ID: 480-11355-7

Date Collected: 10/17/11 15:10

Matrix: Water

Date Received: 10/17/11 17:05

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 10/26/11 00:46 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 10/26/11 00:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 72 - 130 | | | | | 10/26/11 00:46 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 69 - 121 | | | | | 10/26/11 00:46 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 123 | | | | | 10/26/11 00:46 | 1 |

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Barium | 195 | | 2.0 | 0.50 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |
| Chromium | 1.0 | J | 4.0 | 0.87 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |
| Copper | ND | | 10.0 | 1.5 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |
| Iron | 94.2 | | 50.0 | 19.3 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |
| Nickel | 1.3 | J | 10.0 | 1.3 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |
| Zinc | 3.6 | J | 10.0 | 1.7 | ug/L | | 10/18/11 11:00 | 10/19/11 23:02 | 1 |

Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|--------|------|---|----------------|----------------|---------|
| Selenium | 0.66 | J | 1.0 | 0.44 | ug/L | | 10/19/11 07:40 | 10/22/11 16:17 | 1 |
| Thallium | 0.025 | J | 0.20 | 0.0080 | ug/L | | 10/19/11 07:40 | 10/24/11 17:56 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 2860 | B | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 24.5 | | 2.0 | 0.35 | mg/L | | | 10/26/11 11:07 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/26/11 16:19 | 1 |
| Total Kjeldahl Nitrogen | 0.41 | | 0.20 | 0.15 | mg/L as N | | 10/25/11 12:25 | 10/27/11 18:34 | 1 |
| Nitrate as N | 0.69 | | 0.050 | 0.011 | mg/L | | | 10/19/11 00:57 | 1 |
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 10/19/11 01:04 | 1 |
| Chemical Oxygen Demand | 13.3 | | 10.0 | 5.0 | mg/L | | | 10/28/11 12:23 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:26 | 11/03/11 18:58 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |
| Total Dissolved Solids | 655 | | 10.0 | 4.0 | mg/L | | | 10/20/11 14:26 | 1 |
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 10/18/11 13:59 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| pH | 7.69 | H | 0.100 | 0.100 | SU | | | 10/19/11 00:08 | 1 |
| Total Suspended Solids | 32.8 | | 4.0 | 4.0 | mg/L | | | 10/21/11 01:45 | 1 |
| Oxygen, Dissolved | 5.3 | H | 0.050 | 0.050 | mg/L | | | 10/18/11 23:37 | 1 |

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-11355-8

Date Collected: 10/17/11 00:00

Matrix: Water

Date Received: 10/17/11 17:05

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 10/26/11 01:08 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: TRIP BLANK

Date Collected: 10/17/11 00:00

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-8

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 10/26/11 01:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 72 - 130 | | | | | 10/26/11 01:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 69 - 121 | | | | | 10/26/11 01:08 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 123 | | | | | 10/26/11 01:08 | 1 |

Client Sample ID: AP-MW-1B

Date Collected: 10/18/11 11:55

Date Received: 10/18/11 15:10

Lab Sample ID: 480-11387-1

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | 0.00099 | J | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Chromium | 0.0013 | J | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Iron | 0.12 | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Magnesium | 62.2 | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Manganese | 0.66 | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Sodium | 125 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |
| Zinc | 0.56 | | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:17 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 6910 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:28 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 186 | | 4.0 | 0.70 | mg/L | | | 10/27/11 22:26 | 2 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:14 | 1 |
| Phenolics, Total Recoverable | 5.6 | J | 10.0 | 5.0 | ug/L | | 11/03/11 22:31 | 11/05/11 09:33 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 20:53 | 1 |

Client Sample ID: AP-MW-2B

Date Collected: 10/18/11 10:25

Date Received: 10/18/11 15:10

Lab Sample ID: 480-11387-2

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Chromium | 0.77 | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Selenium | 0.0097 | J | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Sodium | 40.5 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-2B

Lab Sample ID: 480-11387-2

Date Collected: 10/18/11 10:25

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |
| Zinc | ND | | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:20 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 509 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:33 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 21.5 | | 2.0 | 0.35 | mg/L | | | 10/27/11 22:36 | 1 |
| Ammonia as N | 1.6 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:15 | 1 |
| Phenolics, Total Recoverable | 10.5 | | 10.0 | 5.0 | ug/L | | 11/03/11 22:39 | 11/05/11 09:33 | 1 |
| Chromium, hexavalent | 754 | | 20.0 | 10.0 | ug/L | | | 10/18/11 21:22 | 2 |

Client Sample ID: AP-MW-6B

Lab Sample ID: 480-11387-3

Date Collected: 10/18/11 09:10

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Iron | 0.28 | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Magnesium | 73.1 | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Manganese | 0.14 | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Sodium | 76.8 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |
| Zinc | 0.0020 | J | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:22 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 5950 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:38 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 363 | | 10.0 | 1.7 | mg/L | | | 10/27/11 22:46 | 5 |
| Ammonia as N | 0.030 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:18 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 22:47 | 11/05/11 09:33 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 20:59 | 1 |

Client Sample ID: AP-MW-7B

Lab Sample ID: 480-11387-4

Date Collected: 10/18/11 13:05

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Chromium | 0.0026 | J | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-7B

Lab Sample ID: 480-11387-4

Date Collected: 10/18/11 13:05

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Iron | 0.095 | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Magnesium | 8.3 | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Manganese | 0.037 | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Sodium | 54.1 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |
| Zinc | 0.0023 | J | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:37 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 4960 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:44 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 30.4 | | 2.0 | 0.35 | mg/L | | | 10/26/11 16:00 | 1 |
| Ammonia as N | 0.66 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:21 | 1 |
| Phenolics, Total Recoverable | 11.1 | | 10.0 | 5.0 | ug/L | | 11/03/11 22:54 | 11/05/11 09:33 | 1 |
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 21:02 | 1 |

Client Sample ID: AP-GW-DUP-01

Lab Sample ID: 480-11387-5

Date Collected: 10/18/11 00:00

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Chromium | 0.77 | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Selenium | 0.011 | J | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Sodium | 39.8 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |
| Zinc | 0.0021 | J | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:39 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 496 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:49 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 21.6 | | 2.0 | 0.35 | mg/L | | | 10/27/11 22:56 | 1 |
| Ammonia as N | 1.6 | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:22 | 1 |
| Phenolics, Total Recoverable | 10 | | 10.0 | 5.0 | ug/L | | 11/03/11 23:02 | 11/05/11 09:42 | 1 |
| Chromium, hexavalent | 925 | | 50.0 | 25.0 | ug/L | | | 10/18/11 21:35 | 5 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-RB-01

Lab Sample ID: 480-11387-6

Date Collected: 10/18/11 14:10

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Magnesium | 1.3 | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Sodium | 6.8 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |
| Zinc | 0.0026 | J | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:41 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 3890 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:54 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 6.5 | | 2.0 | 0.35 | mg/L | | | 10/26/11 16:21 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:23 | 1 |
| Phenolics, Total Recoverable | 5.2 | J | 10.0 | 5.0 | ug/L | | 11/03/11 23:10 | 11/05/11 09:42 | 1 |
| Chromium, hexavalent | 5.6 | J | 10.0 | 5.0 | ug/L | | | 10/18/11 21:09 | 1 |

Client Sample ID: AP-SWB-01

Lab Sample ID: 480-11387-7

Date Collected: 10/18/11 14:00

Matrix: Water

Date Received: 10/18/11 15:10

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Magnesium | 1.3 | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Sodium | 6.7 | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |
| Zinc | 0.0022 | J | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:43 | 1 |

Method: 6010B - Metals (Custom List)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 3780 | B | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:59 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Sulfate | 6.4 | | 2.0 | 0.35 | mg/L | | | 10/26/11 16:31 | 1 |
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:24 | 1 |
| Phenolics, Total Recoverable | 5.4 | J | 10.0 | 5.0 | ug/L | | 11/03/11 23:18 | 11/05/11 10:00 | 1 |
| Chromium, hexavalent | 5.6 | J | 10.0 | 5.0 | ug/L | | | 10/18/11 21:25 | 1 |

Surrogate Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|-----------------|--------------------|--|-----------------|-----------------|
| | | 12DCE (72-130) | BFB (69-121) | TOL (70-123) |
| 480-11355-7 | AP-SS-01/EWE-01 | 107 | 99 | 100 |
| 480-11355-8 | TRIP BLANK | 107 | 98 | 100 |
| LCS 480-37153/4 | Lab Control Sample | 103 | 101 | 100 |
| MB 480-37153/5 | Method Blank | 103 | 99 | 99 |

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-37153/5

Matrix: Water

Analysis Batch: 37153

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 10/25/11 16:13 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 10/25/11 16:13 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 72 - 130 | | | | | 10/25/11 16:13 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 69 - 121 | | | | | 10/25/11 16:13 | 1 |
| Toluene-d8 (Surr) | 99 | | 70 - 123 | | | | | 10/25/11 16:13 | 1 |

Lab Sample ID: LCS 480-37153/4

Matrix: Water

Analysis Batch: 37153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|---------------|---------------|------|---|------|--------------|
| 1,1-Dichloroethane | 20.0 | 20.0 | | ug/L | | 100 | 73 - 128 |
| Trichloroethene | 20.0 | 19.4 | | ug/L | | 97 | 67 - 134 |
| Surrogate | %Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 72 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | 101 | | 69 - 121 | | | | |
| Toluene-d8 (Surr) | 100 | | 70 - 123 | | | | |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-35922/1-A

Matrix: Water

Analysis Batch: 36071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35922

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |
| Zinc | ND | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/18/11 19:30 | 1 |

Lab Sample ID: LCS 480-35922/2-A

Matrix: Water

Analysis Batch: 36071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35922

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Cadmium | 0.200 | 0.189 | | mg/L | | 94 | 85 - 115 |
| Chromium | 0.200 | 0.194 | | mg/L | | 97 | 85 - 115 |
| Iron | 10.0 | 9.44 | | mg/L | | 94 | 85 - 115 |
| Lead | 0.200 | 0.185 | | mg/L | | 93 | 85 - 115 |
| Magnesium | 10.0 | 9.70 | | mg/L | | 97 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-35922/2-A

Matrix: Water

Analysis Batch: 36071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35922

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Manganese | 0.200 | 0.194 | | mg/L | | 97 | 85 - 115 |
| Selenium | 0.200 | 0.192 | | mg/L | | 96 | 85 - 115 |
| Sodium | 10.0 | 9.79 | | mg/L | | 98 | 85 - 115 |
| Thallium | 0.200 | 0.189 | | mg/L | | 94 | 85 - 115 |
| Zinc | 0.200 | 0.206 | | mg/L | | 103 | 85 - 115 |

Lab Sample ID: 480-11355-1 MS

Matrix: Water

Analysis Batch: 36071

Client Sample ID: AP-MW-3B

Prep Type: Total/NA

Prep Batch: 35922

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Cadmium | ND | | 0.200 | 0.191 | | mg/L | | 96 | 70 - 130 |
| Chromium | ND | | 0.200 | 0.195 | | mg/L | | 98 | 70 - 130 |
| Iron | 0.042 | J | 10.0 | 9.23 | | mg/L | | 92 | 70 - 130 |
| Lead | ND | | 0.200 | 0.187 | | mg/L | | 94 | 70 - 130 |
| Magnesium | 5.8 | | 10.0 | 15.31 | | mg/L | | 95 | 70 - 130 |
| Manganese | 0.0059 | | 0.200 | 0.198 | | mg/L | | 96 | 70 - 130 |
| Selenium | ND | | 0.200 | 0.197 | | mg/L | | 98 | 70 - 130 |
| Sodium | 54.4 | | 10.0 | 63.27 | 4 | mg/L | | 89 | 70 - 130 |
| Thallium | ND | | 0.200 | 0.190 | | mg/L | | 95 | 70 - 130 |
| Zinc | 0.0069 | J | 0.200 | 0.214 | | mg/L | | 104 | 70 - 130 |

Lab Sample ID: 480-11355-1 MSD

Matrix: Water

Analysis Batch: 36071

Client Sample ID: AP-MW-3B

Prep Type: Total/NA

Prep Batch: 35922

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Cadmium | ND | | 0.200 | 0.193 | | mg/L | | 97 | 70 - 130 | 1 | 20 |
| Chromium | ND | | 0.200 | 0.196 | | mg/L | | 98 | 70 - 130 | 0 | 20 |
| Iron | 0.042 | J | 10.0 | 9.38 | | mg/L | | 93 | 70 - 130 | 2 | 20 |
| Lead | ND | | 0.200 | 0.191 | | mg/L | | 96 | 70 - 130 | 2 | 20 |
| Magnesium | 5.8 | | 10.0 | 15.58 | | mg/L | | 97 | 70 - 130 | 2 | 20 |
| Manganese | 0.0059 | | 0.200 | 0.200 | | mg/L | | 97 | 70 - 130 | 1 | 20 |
| Selenium | ND | | 0.200 | 0.198 | | mg/L | | 99 | 70 - 130 | 1 | 20 |
| Sodium | 54.4 | | 10.0 | 65.63 | 4 | mg/L | | 112 | 70 - 130 | 4 | 20 |
| Thallium | ND | | 0.200 | 0.193 | | mg/L | | 96 | 70 - 130 | 1 | 20 |
| Zinc | 0.0069 | J | 0.200 | 0.216 | | mg/L | | 105 | 70 - 130 | 1 | 20 |

Lab Sample ID: MB 480-35923/1-A

Matrix: Water

Analysis Batch: 36308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35923

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Barium | ND | | 2.0 | 0.50 | ug/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Copper | ND | | 10.0 | 1.5 | ug/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 480-35923/1-A

Matrix: Water

Analysis Batch: 36308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35923

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Nickel | ND | | 10.0 | 1.3 | ug/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |
| Zinc | ND | | 0.010 | 0.0017 | mg/L | | 10/18/11 11:00 | 10/19/11 22:21 | 1 |

Lab Sample ID: LCS 480-35923/2-A

Matrix: Water

Analysis Batch: 36308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35923

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Barium | 200 | 213.4 | | ug/L | | 107 | 85 - 115 |
| Cadmium | 0.200 | 0.194 | | mg/L | | 97 | 85 - 115 |
| Chromium | 0.200 | 0.198 | | mg/L | | 99 | 85 - 115 |
| Copper | 200 | 201.3 | | ug/L | | 101 | 85 - 115 |
| Iron | 10.0 | 10.97 | | mg/L | | 110 | 85 - 115 |
| Lead | 0.200 | 0.191 | | mg/L | | 96 | 85 - 115 |
| Magnesium | 10.0 | 10.30 | | mg/L | | 103 | 85 - 115 |
| Nickel | 200 | 214.1 | | ug/L | | 107 | 85 - 115 |
| Manganese | 0.200 | 0.212 | | mg/L | | 106 | 85 - 115 |
| Selenium | 0.200 | 0.205 | | mg/L | | 103 | 85 - 115 |
| Sodium | 10.0 | 10.11 | | mg/L | | 101 | 85 - 115 |
| Thallium | 0.200 | 0.193 | | mg/L | | 97 | 85 - 115 |
| Zinc | 0.200 | 0.219 | | mg/L | | 110 | 85 - 115 |

Lab Sample ID: 480-11355-3 MS

Matrix: Water

Analysis Batch: 36308

Client Sample ID: AP-MW-5B

Prep Type: Total/NA

Prep Batch: 35923

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Barium | 0.035 | | 0.200 | 0.244 | | mg/L | | 104 | 70 - 130 |
| Cadmium | 0.00034 | J | 0.200 | 0.194 | | mg/L | | 97 | 70 - 130 |
| Chromium | 0.0039 | J | 0.200 | 0.198 | | mg/L | | 97 | 70 - 130 |
| Copper | ND | | 0.200 | 0.198 | | mg/L | | 99 | 70 - 130 |
| Iron | 0.60 | | 10.0 | 11.51 | | mg/L | | 109 | 70 - 130 |
| Lead | ND | | 0.200 | 0.188 | | mg/L | | 94 | 70 - 130 |
| Magnesium | 82.3 | | 10.0 | 91.51 | 4 | mg/L | | 92 | 70 - 130 |
| Nickel | ND | | 0.200 | 0.215 | | mg/L | | 108 | 70 - 130 |
| Manganese | 0.021 | | 0.200 | 0.225 | | mg/L | | 102 | 70 - 130 |
| Selenium | ND | | 0.200 | 0.205 | | mg/L | | 103 | 70 - 130 |
| Sodium | 31.2 | | 10.0 | 41.54 | | mg/L | | 103 | 70 - 130 |
| Thallium | ND | | 0.200 | 0.191 | | mg/L | | 96 | 70 - 130 |
| Zinc | 0.025 | | 0.200 | 0.235 | | mg/L | | 105 | 70 - 130 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 480-11355-3 MSD

Matrix: Water

Analysis Batch: 36308

Client Sample ID: AP-MW-5B

Prep Type: Total/NA

Prep Batch: 35923

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | RPD |
|-----------|---------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | Limit |
| Barium | 0.035 | | 0.200 | 0.243 | | mg/L | | 104 | 70 - 130 | 0 | 20 |
| Cadmium | 0.00034 | J | 0.200 | 0.193 | | mg/L | | 96 | 70 - 130 | 1 | 20 |
| Chromium | 0.0039 | J | 0.200 | 0.196 | | mg/L | | 96 | 70 - 130 | 1 | 20 |
| Copper | ND | | 0.200 | 0.195 | | mg/L | | 97 | 70 - 130 | 2 | 20 |
| Iron | 0.60 | | 10.0 | 11.51 | | mg/L | | 109 | 70 - 130 | 0 | 20 |
| Lead | ND | | 0.200 | 0.189 | | mg/L | | 94 | 70 - 130 | 0 | 20 |
| Magnesium | 82.3 | | 10.0 | 93.04 | 4 | mg/L | | 107 | 70 - 130 | 2 | 20 |
| Nickel | ND | | 0.200 | 0.215 | | mg/L | | 108 | 70 - 130 | 0 | 20 |
| Manganese | 0.021 | | 0.200 | 0.224 | | mg/L | | 102 | 70 - 130 | 0 | 20 |
| Selenium | ND | | 0.200 | 0.203 | | mg/L | | 102 | 70 - 130 | 1 | 20 |
| Sodium | 31.2 | | 10.0 | 42.06 | | mg/L | | 108 | 70 - 130 | 1 | 20 |
| Thallium | ND | | 0.200 | 0.190 | | mg/L | | 95 | 70 - 130 | 1 | 20 |
| Zinc | 0.025 | | 0.200 | 0.236 | | mg/L | | 106 | 70 - 130 | 0 | 20 |

Lab Sample ID: MB 480-36075/1-A

Matrix: Water

Analysis Batch: 36315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36075

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Cadmium | ND | | 0.0010 | 0.00033 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Chromium | ND | | 0.0040 | 0.00087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Iron | ND | | 0.050 | 0.019 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Lead | ND | | 0.0050 | 0.0030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Magnesium | ND | | 0.20 | 0.043 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Manganese | ND | | 0.0030 | 0.00030 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Selenium | ND | | 0.015 | 0.0087 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Sodium | ND | | 1.0 | 0.32 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Thallium | ND | | 0.020 | 0.010 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |
| Zinc | ND | | 0.010 | 0.0017 | mg/L | | 10/19/11 09:20 | 10/19/11 17:11 | 1 |

Lab Sample ID: LCS 480-36075/2-A

Matrix: Water

Analysis Batch: 36315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36075

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|-----------|-------|--------|-----------|------|---|------|----------|
| | Added | Result | Qualifier | | | | Limits |
| Cadmium | 0.200 | 0.201 | | mg/L | | 100 | 85 - 115 |
| Chromium | 0.200 | 0.204 | | mg/L | | 102 | 85 - 115 |
| Iron | 10.0 | 10.40 | | mg/L | | 104 | 85 - 115 |
| Lead | 0.200 | 0.194 | | mg/L | | 97 | 85 - 115 |
| Magnesium | 10.0 | 10.16 | | mg/L | | 102 | 85 - 115 |
| Manganese | 0.200 | 0.206 | | mg/L | | 103 | 85 - 115 |
| Selenium | 0.200 | 0.199 | | mg/L | | 99 | 85 - 115 |
| Sodium | 10.0 | 9.88 | | mg/L | | 99 | 85 - 115 |
| Thallium | 0.200 | 0.198 | | mg/L | | 99 | 85 - 115 |
| Zinc | 0.200 | 0.215 | | mg/L | | 107 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 480-11387-3 MS

Matrix: Water

Analysis Batch: 36315

Client Sample ID: AP-MW-6B

Prep Type: Total/NA

Prep Batch: 36075

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Cadmium | ND | | 0.200 | 0.208 | | mg/L | | 104 | 70 - 130 |
| Chromium | ND | | 0.200 | 0.200 | | mg/L | | 100 | 70 - 130 |
| Iron | 0.28 | | 10.0 | 10.66 | | mg/L | | 104 | 70 - 130 |
| Lead | ND | | 0.200 | 0.201 | | mg/L | | 100 | 70 - 130 |
| Magnesium | 73.1 | | 10.0 | 82.36 | 4 | mg/L | | 93 | 70 - 130 |
| Manganese | 0.14 | | 0.200 | 0.346 | | mg/L | | 101 | 70 - 130 |
| Selenium | ND | | 0.200 | 0.214 | | mg/L | | 107 | 70 - 130 |
| Sodium | 76.8 | | 10.0 | 86.50 | 4 | mg/L | | 96 | 70 - 130 |
| Thallium | ND | | 0.200 | 0.199 | | mg/L | | 99 | 70 - 130 |
| Zinc | 0.0020 | J | 0.200 | 0.215 | | mg/L | | 107 | 70 - 130 |

Lab Sample ID: 480-11387-3 MSD

Matrix: Water

Analysis Batch: 36315

Client Sample ID: AP-MW-6B

Prep Type: Total/NA

Prep Batch: 36075

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Cadmium | ND | | 0.200 | 0.205 | | mg/L | | 103 | 70 - 130 | 2 | 20 |
| Chromium | ND | | 0.200 | 0.201 | | mg/L | | 101 | 70 - 130 | 1 | 20 |
| Iron | 0.28 | | 10.0 | 10.57 | | mg/L | | 103 | 70 - 130 | 1 | 20 |
| Lead | ND | | 0.200 | 0.197 | | mg/L | | 98 | 70 - 130 | 2 | 20 |
| Magnesium | 73.1 | | 10.0 | 81.75 | 4 | mg/L | | 87 | 70 - 130 | 1 | 20 |
| Manganese | 0.14 | | 0.200 | 0.344 | | mg/L | | 100 | 70 - 130 | 1 | 20 |
| Selenium | ND | | 0.200 | 0.207 | | mg/L | | 104 | 70 - 130 | 3 | 20 |
| Sodium | 76.8 | | 10.0 | 86.05 | 4 | mg/L | | 92 | 70 - 130 | 1 | 20 |
| Thallium | ND | | 0.200 | 0.196 | | mg/L | | 98 | 70 - 130 | 1 | 20 |
| Zinc | 0.0020 | J | 0.200 | 0.213 | | mg/L | | 105 | 70 - 130 | 1 | 20 |

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-35978/1-A

Matrix: Water

Analysis Batch: 36906

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|--------|------|---|----------------|----------------|---------|
| Selenium | ND | | 1.0 | 0.44 | ug/L | | 10/19/11 07:40 | 10/22/11 14:45 | 1 |
| Thallium | ND | | 0.20 | 0.0080 | ug/L | | 10/19/11 07:40 | 10/22/11 14:45 | 1 |

Lab Sample ID: LCS 480-35978/2-A

Matrix: Water

Analysis Batch: 36906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Selenium | 20.0 | 22.78 | | ug/L | | 114 | 85 - 115 |
| Thallium | 20.0 | 22.12 | | ug/L | | 111 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-11355-7 MS

Matrix: Water

Analysis Batch: 36906

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Selenium | 0.66 | J | 20.0 | 21.47 | | ug/L | | 104 | 70 - 130 |

Lab Sample ID: 480-11355-7 MS

Matrix: Water

Analysis Batch: 37043

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Thallium | 0.025 | J | 20.0 | 18.32 | | ug/L | | 91 | 70 - 130 |

Lab Sample ID: 480-11355-7 MSD

Matrix: Water

Analysis Batch: 36906

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Selenium | 0.66 | J | 20.0 | 21.44 | | ug/L | | 104 | 70 - 130 | 0 | 20 |

Lab Sample ID: 480-11355-7 MSD

Matrix: Water

Analysis Batch: 37043

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

Prep Batch: 35978

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Thallium | 0.025 | J | 20.0 | 17.80 | | ug/L | | 89 | 70 - 130 | 3 | 20 |

Method: 6010B - Metals (Custom List)

Lab Sample ID: MB 200-27168/1-A

Matrix: Water

Analysis Batch: 27300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27168

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 19.55 | J | 100 | 4.7 | ug/L | | 10/21/11 08:15 | 10/22/11 00:15 | 1 |

Lab Sample ID: LCS 200-27168/2-A

Matrix: Water

Analysis Batch: 27300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27168

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Silicon | 1000 | 912.5 | | ug/L | | 91 | 80 - 120 |

Lab Sample ID: MB 200-27170/1-A

Matrix: Water

Analysis Batch: 27297

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27170

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------------|----------------|---------|
| Silicon | 14.14 | J | 100 | 4.7 | ug/L | | 10/21/11 08:25 | 10/21/11 23:17 | 1 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 6010B - Metals (Custom List) (Continued)

Lab Sample ID: LCS 200-27170/2-A

Matrix: Water

Analysis Batch: 27297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27170

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Silicon | 1000 | 943.0 | | ug/L | | 94 | 80 - 120 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-37018/100

Matrix: Water

Analysis Batch: 37018

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Sulfate | ND | | 2.0 | 0.35 | mg/L | | | 10/26/11 09:56 | 1 |

Lab Sample ID: LCS 480-37018/99

Matrix: Water

Analysis Batch: 37018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 20.0 | 20.60 | | mg/L | | 103 | 90 - 110 |

Lab Sample ID: 480-11355-7 MS

Matrix: Water

Analysis Batch: 37018

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 24.5 | | 25.0 | 51.40 | | mg/L | | 108 | 75 - 125 |

Lab Sample ID: MB 480-37020/124

Matrix: Water

Analysis Batch: 37020

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Sulfate | ND | | 2.0 | 0.35 | mg/L | | | 10/26/11 13:59 | 1 |

Lab Sample ID: LCS 480-37020/123

Matrix: Water

Analysis Batch: 37020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 20.0 | 20.80 | | mg/L | | 104 | 90 - 110 |

Lab Sample ID: 480-11387-7 MS

Matrix: Water

Analysis Batch: 37020

Client Sample ID: AP-SWB-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 6.4 | | 25.0 | 33.80 | | mg/L | | 110 | 75 - 125 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-11387-7 MSD

Matrix: Water

Analysis Batch: 37020

Client Sample ID: AP-SWB-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 6.4 | | 25.0 | 33.90 | | mg/L | | 110 | 75 - 125 | 0 | 20 |

Lab Sample ID: MB 480-37441/4

Matrix: Water

Analysis Batch: 37441

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Sulfate | ND | | 2.0 | 0.35 | mg/L | | | 10/27/11 17:53 | 1 |

Lab Sample ID: LCS 480-37441/3

Matrix: Water

Analysis Batch: 37441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 20.0 | 20.10 | | mg/L | | 101 | 90 - 110 |

Lab Sample ID: 480-11355-3 MS

Matrix: Water

Analysis Batch: 37441

Client Sample ID: AP-MW-5B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 150 | | 50.0 | 201.2 | E | mg/L | | 102 | 75 - 125 |

Lab Sample ID: 480-11355-3 MSD

Matrix: Water

Analysis Batch: 37441

Client Sample ID: AP-MW-5B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 150 | | 50.0 | 203.4 | E | mg/L | | 107 | 75 - 125 | 1 | 20 |

Lab Sample ID: MB 480-37444/28

Matrix: Water

Analysis Batch: 37444

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Sulfate | ND | | 2.0 | 0.35 | mg/L | | | 10/27/11 21:56 | 1 |

Lab Sample ID: LCS 480-37444/27

Matrix: Water

Analysis Batch: 37444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 20.0 | 20.10 | | mg/L | | 101 | 90 - 110 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-37197/51

Matrix: Water

Analysis Batch: 37197

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 13:43 | 1 |

Lab Sample ID: MB 480-37197/75

Matrix: Water

Analysis Batch: 37197

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/25/11 14:06 | 1 |

Lab Sample ID: LCS 480-37197/52

Matrix: Water

Analysis Batch: 37197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|------|-----------------|
| Ammonia as N | 1.00 | 1.04 | | mg/L as N | | 104 | 90 - 110 |

Lab Sample ID: LCS 480-37197/76

Matrix: Water

Analysis Batch: 37197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|------|-----------------|
| Ammonia as N | 1.00 | 1.05 | | mg/L as N | | 105 | 90 - 110 |

Lab Sample ID: 480-11387-3 MS

Matrix: Water

Analysis Batch: 37197

Client Sample ID: AP-MW-6B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|------------------|---------------------|----------------|--------------|-----------------|-----------|---|------|-----------------|
| Ammonia as N | 0.030 | | 0.200 | 0.456 | F | mg/L as N | | 213 | 54 - 150 |

Lab Sample ID: 480-11387-3 MSD

Matrix: Water

Analysis Batch: 37197

Client Sample ID: AP-MW-6B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------|------------------|---------------------|----------------|---------------|------------------|-----------|---|------|-----------------|-----|--------------|
| Ammonia as N | 0.030 | | 0.200 | 0.463 | F | mg/L as N | | 216 | 54 - 150 | 1 | 20 |

Lab Sample ID: MB 480-37440/3

Matrix: Water

Analysis Batch: 37440

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 10/26/11 16:01 | 1 |

Lab Sample ID: LCS 480-37440/4

Matrix: Water

Analysis Batch: 37440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|------|-----------------|
| Ammonia as N | 1.00 | 1.06 | | mg/L as N | | 106 | 90 - 110 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-37151/1-A

Matrix: Water

Analysis Batch: 37705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37151

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------------|-----------------|------|------|-----------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen | ND | | 0.20 | 0.15 | mg/L as N | | 10/25/11 12:25 | 10/27/11 15:57 | 1 |

Lab Sample ID: LCS 480-37151/2-A

Matrix: Water

Analysis Batch: 37705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37151

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|----------------|---------------|------------------|-----------|---|------|-----------------|
| Total Kjeldahl Nitrogen | 2.50 | 2.47 | | mg/L as N | | 99 | 90 - 110 |

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-36045/3

Matrix: Water

Analysis Batch: 36045

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 10/19/11 00:58 | 1 |

Lab Sample ID: LCS 480-36045/4

Matrix: Water

Analysis Batch: 36045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|----------------|---------------|------------------|------|---|------|-----------------|
| Nitrite as N | 1.50 | 1.60 | | mg/L | | 107 | 90 - 110 |

Method: 410.4 - COD

Lab Sample ID: MB 480-37853/3

Matrix: Water

Analysis Batch: 37853

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------------|-----------------|------|-----|------|---|----------|----------------|---------|
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 10/28/11 12:23 | 1 |

Lab Sample ID: LCS 480-37853/4

Matrix: Water

Analysis Batch: 37853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Chemical Oxygen Demand | 25.0 | 24.71 | | mg/L | | 99 | 90 - 110 |

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-38811/1-A

Matrix: Water

Analysis Batch: 38892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38811

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:22 | 11/03/11 17:02 | 1 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-38811/2-A

Matrix: Water

Analysis Batch: 38892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38811

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Phenolics, Total Recoverable | 100 | 101.6 | | ug/L | | 102 | 90 - 110 |

Lab Sample ID: MB 480-38815/1-A

Matrix: Water

Analysis Batch: 38892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38815

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 16:26 | 11/03/11 17:02 | 1 |

Lab Sample ID: LCS 480-38815/2-A

Matrix: Water

Analysis Batch: 38892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38815

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Phenolics, Total Recoverable | 100 | 107.6 | | ug/L | | 108 | 90 - 110 |

Lab Sample ID: MB 480-38856/1-A

Matrix: Water

Analysis Batch: 39103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38856

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 11/03/11 21:45 | 11/05/11 08:35 | 1 |

Lab Sample ID: LCS 480-38856/2-A

Matrix: Water

Analysis Batch: 39103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38856

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Phenolics, Total Recoverable | 100 | 106.2 | | ug/L | | 106 | 90 - 110 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-35972/3

Matrix: Water

Analysis Batch: 35972

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 12:00 | 1 |

Lab Sample ID: LCS 480-35972/4

Matrix: Water

Analysis Batch: 35972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Chromium, hexavalent | 50.0 | 48.73 | | ug/L | | 97 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 480-11355-7 MS

Matrix: Water

Analysis Batch: 35972

Client Sample ID: AP-SS-01/EWE-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chromium, hexavalent | ND | | 50.0 | 44.81 | | ug/L | | 90 | 85 - 115 |

Lab Sample ID: 480-11355-2 DU

Matrix: Water

Analysis Batch: 35972

Client Sample ID: AP-MW-4B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chromium, hexavalent | 76.2 | | 74.22 | | ug/L | | 3 | 15 |

Lab Sample ID: 480-11355-4 DU

Matrix: Water

Analysis Batch: 35972

Client Sample ID: AP-MW-8B

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chromium, hexavalent | 76.2 | | 73.24 | | ug/L | | 4 | 15 |

Lab Sample ID: MB 480-36056/3

Matrix: Water

Analysis Batch: 36056

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 10/18/11 20:46 | 1 |

Lab Sample ID: LCS 480-36056/4

Matrix: Water

Analysis Batch: 36056

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Chromium, hexavalent | 50.0 | 54.61 | | ug/L | | 109 | 85 - 115 |

Lab Sample ID: 480-11387-6 MS

Matrix: Water

Analysis Batch: 36056

Client Sample ID: AP-RB-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chromium, hexavalent | 5.6 | J | 50.0 | 64.41 | F | ug/L | | 118 | 85 - 115 |

Lab Sample ID: 480-11387-7 DU

Matrix: Water

Analysis Batch: 36056

Client Sample ID: AP-SWB-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chromium, hexavalent | 5.6 | J | 6.57 | J | ug/L | | 16 | 15 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Method: 9040B - pH

Lab Sample ID: LCS 480-36041/1

Matrix: Water

Analysis Batch: 36041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| pH | 7.00 | 7.020 | | SU | | 100 | 99 - 101 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-36361/1

Matrix: Water

Analysis Batch: 36361

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | ND | | 10.0 | 4.0 | mg/L | | | 10/20/11 11:50 | 1 |

Lab Sample ID: LCS 480-36361/2

Matrix: Water

Analysis Batch: 36361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| Total Dissolved Solids | 502 | 483.0 | | mg/L | | 96 | 85 - 115 |

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-36509/1

Matrix: Water

Analysis Batch: 36509

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 10/21/11 01:23 | 1 |

Lab Sample ID: LCS 480-36509/2

Matrix: Water

Analysis Batch: 36509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| Total Suspended Solids | 304 | 299.6 | | mg/L | | 99 | 88 - 110 |

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-36051/1 USB

Matrix: Water

Analysis Batch: 36051

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------|---------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 10/18/11 13:59 | 1 |

Lab Sample ID: LCS 480-36051/2

Matrix: Water

Analysis Batch: 36051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Biochemical Oxygen Demand | 198 | 203.4 | | mg/L | | 103 | 85 - 115 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

GC/MS VOA

Analysis Batch: 37153

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 624 | |
| 480-11355-8 | TRIP BLANK | Total/NA | Water | 624 | |
| LCS 480-37153/4 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 480-37153/5 | Method Blank | Total/NA | Water | 624 | |

Metals

Prep Batch: 27168

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 3010A | |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 3010A | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 3010A | |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 3010A | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 3010A | |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 3010A | |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 3010A | |
| LCS 200-27168/2-A | Lab Control Sample | Total/NA | Water | 3010A | |
| MB 200-27168/1-A | Method Blank | Total/NA | Water | 3010A | |

Prep Batch: 27170

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 3010A | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 3010A | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 3010A | |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 3010A | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 3010A | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 3010A | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 3010A | |
| LCS 200-27170/2-A | Lab Control Sample | Total/NA | Water | 3010A | |
| MB 200-27170/1-A | Method Blank | Total/NA | Water | 3010A | |

Analysis Batch: 27297

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 6010B | 27170 |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 6010B | 27170 |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 6010B | 27170 |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 6010B | 27170 |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 6010B | 27170 |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 6010B | 27170 |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 6010B | 27170 |
| LCS 200-27170/2-A | Lab Control Sample | Total/NA | Water | 6010B | 27170 |
| MB 200-27170/1-A | Method Blank | Total/NA | Water | 6010B | 27170 |

Analysis Batch: 27300

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 6010B | 27168 |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 6010B | 27168 |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 6010B | 27168 |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 6010B | 27168 |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 6010B | 27168 |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 6010B | 27168 |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 6010B | 27168 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Metals (Continued)

Analysis Batch: 27300 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 200-27168/2-A | Lab Control Sample | Total/NA | Water | 6010B | 27168 |
| MB 200-27168/1-A | Method Blank | Total/NA | Water | 6010B | 27168 |

Prep Batch: 35922

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 200.7 | |
| 480-11355-1 MS | AP-MW-3B | Total/NA | Water | 200.7 | |
| 480-11355-1 MSD | AP-MW-3B | Total/NA | Water | 200.7 | |
| LCS 480-35922/2-A | Lab Control Sample | Total/NA | Water | 200.7 | |
| MB 480-35922/1-A | Method Blank | Total/NA | Water | 200.7 | |

Prep Batch: 35923

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 200.7 | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 200.7 | |
| 480-11355-3 MS | AP-MW-5B | Total/NA | Water | 200.7 | |
| 480-11355-3 MSD | AP-MW-5B | Total/NA | Water | 200.7 | |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 200.7 | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 200.7 | |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 200.7 | |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 200.7 | |
| LCS 480-35923/2-A | Lab Control Sample | Total/NA | Water | 200.7 | |
| MB 480-35923/1-A | Method Blank | Total/NA | Water | 200.7 | |

Prep Batch: 35978

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | |
| 480-11355-7 MS | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | |
| 480-11355-7 MSD | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | |
| LCS 480-35978/2-A | Lab Control Sample | Total/NA | Water | 200.8 | |
| MB 480-35978/1-A | Method Blank | Total/NA | Water | 200.8 | |

Analysis Batch: 36071

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 200.7 Rev 4.4 | 35922 |
| 480-11355-1 MS | AP-MW-3B | Total/NA | Water | 200.7 Rev 4.4 | 35922 |
| 480-11355-1 MSD | AP-MW-3B | Total/NA | Water | 200.7 Rev 4.4 | 35922 |
| LCS 480-35922/2-A | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | 35922 |
| MB 480-35922/1-A | Method Blank | Total/NA | Water | 200.7 Rev 4.4 | 35922 |

Prep Batch: 36075

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 200.7 | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 200.7 | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 200.7 | |
| 480-11387-3 MS | AP-MW-6B | Total/NA | Water | 200.7 | |
| 480-11387-3 MSD | AP-MW-6B | Total/NA | Water | 200.7 | |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 200.7 | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 200.7 | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 200.7 | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 200.7 | |
| LCS 480-36075/2-A | Lab Control Sample | Total/NA | Water | 200.7 | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Metals (Continued)

Prep Batch: 36075 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 480-36075/1-A | Method Blank | Total/NA | Water | 200.7 | |

Analysis Batch: 36308

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-3 MS | AP-MW-5B | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-3 MSD | AP-MW-5B | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| LCS 480-35923/2-A | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | 35923 |
| MB 480-35923/1-A | Method Blank | Total/NA | Water | 200.7 Rev 4.4 | 35923 |

Analysis Batch: 36315

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-3 MS | AP-MW-6B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-3 MSD | AP-MW-6B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| LCS 480-36075/2-A | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | 36075 |
| MB 480-36075/1-A | Method Blank | Total/NA | Water | 200.7 Rev 4.4 | 36075 |

Analysis Batch: 36906

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |
| 480-11355-7 MS | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |
| 480-11355-7 MSD | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |
| LCS 480-35978/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 35978 |
| MB 480-35978/1-A | Method Blank | Total/NA | Water | 200.8 | 35978 |

Analysis Batch: 37043

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |
| 480-11355-7 MS | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |
| 480-11355-7 MSD | AP-SS-01/EWE-01 | Total/NA | Water | 200.8 | 35978 |

General Chemistry

Analysis Batch: 35972

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 7196A | |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 7196A | |
| 480-11355-2 DU | AP-MW-4B | Total/NA | Water | 7196A | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 7196A | |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 7196A | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

General Chemistry (Continued)

Analysis Batch: 35972 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-4 DU | AP-MW-8B | Total/NA | Water | 7196A | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 7196A | |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 7196A | |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 7196A | |
| 480-11355-7 MS | AP-SS-01/EWE-01 | Total/NA | Water | 7196A | |
| LCS 480-35972/4 | Lab Control Sample | Total/NA | Water | 7196A | |
| MB 480-35972/3 | Method Blank | Total/NA | Water | 7196A | |

Analysis Batch: 36041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 9040B | |
| LCS 480-36041/1 | Lab Control Sample | Total/NA | Water | 9040B | |

Analysis Batch: 36045

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 353.2 | |
| LCS 480-36045/4 | Lab Control Sample | Total/NA | Water | 353.2 | |
| MB 480-36045/3 | Method Blank | Total/NA | Water | 353.2 | |

Analysis Batch: 36051

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|----------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | SM 5210B | |
| LCS 480-36051/2 | Lab Control Sample | Total/NA | Water | SM 5210B | |
| USB 480-36051/1 USB | Method Blank | Total/NA | Water | SM 5210B | |

Analysis Batch: 36052

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | SM 4500 O G | |

Analysis Batch: 36056

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 7196A | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 7196A | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 7196A | |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 7196A | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 7196A | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 7196A | |
| 480-11387-6 MS | AP-RB-01 | Total/NA | Water | 7196A | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 7196A | |
| 480-11387-7 DU | AP-SWB-01 | Total/NA | Water | 7196A | |
| LCS 480-36056/4 | Lab Control Sample | Total/NA | Water | 7196A | |
| MB 480-36056/3 | Method Blank | Total/NA | Water | 7196A | |

Analysis Batch: 36361

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | SM 2540C | |
| LCS 480-36361/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| MB 480-36361/1 | Method Blank | Total/NA | Water | SM 2540C | |

Analysis Batch: 36509

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | SM 2540D | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

General Chemistry (Continued)

Analysis Batch: 36509 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| LCS 480-36509/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |
| MB 480-36509/1 | Method Blank | Total/NA | Water | SM 2540D | |

Analysis Batch: 36746

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 353.2 | |

Analysis Batch: 37018

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 300.0 | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 300.0 | |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 300.0 | |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 300.0 | |
| 480-11355-7 MS | AP-SS-01/EWE-01 | Total/NA | Water | 300.0 | |
| LCS 480-37018/99 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 480-37018/100 | Method Blank | Total/NA | Water | 300.0 | |

Analysis Batch: 37020

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 300.0 | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 300.0 | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 300.0 | |
| 480-11387-7 MS | AP-SWB-01 | Total/NA | Water | 300.0 | |
| 480-11387-7 MSD | AP-SWB-01 | Total/NA | Water | 300.0 | |
| LCS 480-37020/123 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 480-37020/124 | Method Blank | Total/NA | Water | 300.0 | |

Prep Batch: 37151

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 351.2 | |
| LCS 480-37151/2-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| MB 480-37151/1-A | Method Blank | Total/NA | Water | 351.2 | |

Analysis Batch: 37197

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 350.1 | |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 350.1 | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 350.1 | |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 350.1 | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 350.1 | |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 350.1 | |
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 350.1 | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 350.1 | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 350.1 | |
| 480-11387-3 MS | AP-MW-6B | Total/NA | Water | 350.1 | |
| 480-11387-3 MSD | AP-MW-6B | Total/NA | Water | 350.1 | |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 350.1 | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 350.1 | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 350.1 | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 350.1 | |
| LCS 480-37197/52 | Lab Control Sample | Total/NA | Water | 350.1 | |
| LCS 480-37197/76 | Lab Control Sample | Total/NA | Water | 350.1 | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

General Chemistry (Continued)

Analysis Batch: 37197 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| MB 480-37197/51 | Method Blank | Total/NA | Water | 350.1 | |
| MB 480-37197/75 | Method Blank | Total/NA | Water | 350.1 | |

Analysis Batch: 37440

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 350.1 | |
| LCS 480-37440/4 | Lab Control Sample | Total/NA | Water | 350.1 | |
| MB 480-37440/3 | Method Blank | Total/NA | Water | 350.1 | |

Analysis Batch: 37441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 300.0 | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 300.0 | |
| 480-11355-3 MS | AP-MW-5B | Total/NA | Water | 300.0 | |
| 480-11355-3 MSD | AP-MW-5B | Total/NA | Water | 300.0 | |
| LCS 480-37441/3 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 480-37441/4 | Method Blank | Total/NA | Water | 300.0 | |

Analysis Batch: 37444

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 300.0 | |
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 300.0 | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 300.0 | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 300.0 | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 300.0 | |
| LCS 480-37444/27 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MB 480-37444/28 | Method Blank | Total/NA | Water | 300.0 | |

Analysis Batch: 37705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 351.2 | 37151 |
| LCS 480-37151/2-A | Lab Control Sample | Total/NA | Water | 351.2 | 37151 |
| MB 480-37151/1-A | Method Blank | Total/NA | Water | 351.2 | 37151 |

Analysis Batch: 37853

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 410.4 | |
| LCS 480-37853/4 | Lab Control Sample | Total/NA | Water | 410.4 | |
| MB 480-37853/3 | Method Blank | Total/NA | Water | 410.4 | |

Prep Batch: 38811

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | Distill/Phenol | |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | Distill/Phenol | |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | Distill/Phenol | |
| LCS 480-38811/2-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| MB 480-38811/1-A | Method Blank | Total/NA | Water | Distill/Phenol | |

Prep Batch: 38815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 480-11355-4 | AP-MW-8B | Total/NA | Water | Distill/Phenol | |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | Distill/Phenol | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

General Chemistry (Continued)

Prep Batch: 38815 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| 480-11355-6 | AP-SS-02 | Total/NA | Water | Distill/Phenol | |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | Distill/Phenol | |
| LCS 480-38815/2-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| MB 480-38815/1-A | Method Blank | Total/NA | Water | Distill/Phenol | |

Prep Batch: 38856

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | Distill/Phenol | |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | Distill/Phenol | |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | Distill/Phenol | |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | Distill/Phenol | |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | Distill/Phenol | |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | Distill/Phenol | |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | Distill/Phenol | |
| LCS 480-38856/2-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| MB 480-38856/1-A | Method Blank | Total/NA | Water | Distill/Phenol | |

Analysis Batch: 38892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11355-1 | AP-MW-3B | Total/NA | Water | 420.4 | 38811 |
| 480-11355-2 | AP-MW-4B | Total/NA | Water | 420.4 | 38811 |
| 480-11355-3 | AP-MW-5B | Total/NA | Water | 420.4 | 38811 |
| 480-11355-4 | AP-MW-8B | Total/NA | Water | 420.4 | 38815 |
| 480-11355-5 | AP-SS-03 | Total/NA | Water | 420.4 | 38815 |
| 480-11355-6 | AP-SS-02 | Total/NA | Water | 420.4 | 38815 |
| 480-11355-7 | AP-SS-01/EWE-01 | Total/NA | Water | 420.4 | 38815 |
| LCS 480-38811/2-A | Lab Control Sample | Total/NA | Water | 420.4 | 38811 |
| LCS 480-38815/2-A | Lab Control Sample | Total/NA | Water | 420.4 | 38815 |
| MB 480-38811/1-A | Method Blank | Total/NA | Water | 420.4 | 38811 |
| MB 480-38815/1-A | Method Blank | Total/NA | Water | 420.4 | 38815 |

Analysis Batch: 39103

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-11387-1 | AP-MW-1B | Total/NA | Water | 420.4 | 38856 |
| 480-11387-2 | AP-MW-2B | Total/NA | Water | 420.4 | 38856 |
| 480-11387-3 | AP-MW-6B | Total/NA | Water | 420.4 | 38856 |
| 480-11387-4 | AP-MW-7B | Total/NA | Water | 420.4 | 38856 |
| 480-11387-5 | AP-GW-DUP-01 | Total/NA | Water | 420.4 | 38856 |
| 480-11387-6 | AP-RB-01 | Total/NA | Water | 420.4 | 38856 |
| 480-11387-7 | AP-SWB-01 | Total/NA | Water | 420.4 | 38856 |
| LCS 480-38856/2-A | Lab Control Sample | Total/NA | Water | 420.4 | 38856 |
| MB 480-38856/1-A | Method Blank | Total/NA | Water | 420.4 | 38856 |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-3B

Date Collected: 10/17/11 12:10

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:26 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35922 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36071 | 10/18/11 20:24 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37018 | 10/26/11 10:06 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 13:58 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38811 | 11/03/11 16:22 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:49 | PN | TAL BUF |

Client Sample ID: AP-MW-4B

Date Collected: 10/17/11 12:30

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:31 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 22:38 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 13:59 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 2 | 37441 | 10/27/11 20:45 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38811 | 11/03/11 16:22 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:49 | PN | TAL BUF |

Client Sample ID: AP-MW-5B

Date Collected: 10/17/11 12:50

Date Received: 10/17/11 17:05

Lab Sample ID: 480-11355-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:36 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 22:40 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:00 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 2 | 37441 | 10/27/11 20:55 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38811 | 11/03/11 16:22 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:49 | PN | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-8B

Lab Sample ID: 480-11355-4

Date Collected: 10/17/11 13:10

Matrix: Water

Date Received: 10/17/11 17:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:41 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 22:55 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:01 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 5 | 37444 | 10/27/11 22:06 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38815 | 11/03/11 16:26 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:58 | PN | TAL BUF |

Client Sample ID: AP-SS-03

Lab Sample ID: 480-11355-5

Date Collected: 10/17/11 14:30

Matrix: Water

Date Received: 10/17/11 17:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:47 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 22:57 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37018 | 10/26/11 10:46 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:02 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38815 | 11/03/11 16:26 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:58 | PN | TAL BUF |

Client Sample ID: AP-SS-02

Lab Sample ID: 480-11355-6

Date Collected: 10/17/11 14:50

Matrix: Water

Date Received: 10/17/11 17:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:52 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 23:00 | JRK | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37018 | 10/26/11 10:56 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:03 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38815 | 11/03/11 16:26 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:58 | PN | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-SS-01/EWE-01

Lab Sample ID: 480-11355-7

Date Collected: 10/17/11 15:10

Matrix: Water

Date Received: 10/17/11 17:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 37153 | 10/26/11 00:46 | TRB | TAL BUF |
| Total/NA | Prep | 3010A | | | 27168 | 10/21/11 08:15 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27300 | 10/22/11 00:57 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 35923 | 10/18/11 11:00 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36308 | 10/19/11 23:02 | JRK | TAL BUF |
| Total/NA | Prep | 200.8 | | | 35978 | 10/19/11 07:40 | JM | TAL BUF |
| Total/NA | Analysis | 200.8 | | 1 | 36906 | 10/22/11 16:17 | MM | TAL BUF |
| Total/NA | Analysis | 200.8 | | 1 | 37043 | 10/24/11 17:56 | MM | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 35972 | 10/18/11 12:00 | JS | TAL BUF |
| Total/NA | Analysis | 9040B | | 1 | 36041 | 10/19/11 00:08 | ES | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 36045 | 10/19/11 01:04 | ES | TAL BUF |
| Total/NA | Analysis | SM 5210B | | 1 | 36051 | 10/18/11 13:59 | ML | TAL BUF |
| Total/NA | Analysis | SM 4500 O G | | 1 | 36052 | 10/18/11 23:37 | ML | TAL BUF |
| Total/NA | Analysis | SM 2540C | | 1 | 36361 | 10/20/11 14:26 | AP | TAL BUF |
| Total/NA | Analysis | SM 2540D | | 1 | 36509 | 10/21/11 01:45 | KS | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 36746 | 10/19/11 00:57 | RL | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37018 | 10/26/11 11:07 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37440 | 10/26/11 16:19 | KS | TAL BUF |
| Total/NA | Prep | 351.2 | | | 37151 | 10/25/11 12:25 | PN | TAL BUF |
| Total/NA | Analysis | 351.2 | | 1 | 37705 | 10/27/11 18:34 | PN | TAL BUF |
| Total/NA | Analysis | 410.4 | | 1 | 37853 | 10/28/11 12:23 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38815 | 11/03/11 16:26 | AP | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 38892 | 11/03/11 18:58 | PN | TAL BUF |

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-11355-8

Date Collected: 10/17/11 00:00

Matrix: Water

Date Received: 10/17/11 17:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 37153 | 10/26/11 01:08 | TRB | TAL BUF |

Client Sample ID: AP-MW-1B

Lab Sample ID: 480-11387-1

Date Collected: 10/18/11 11:55

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:28 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:17 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 36056 | 10/18/11 20:53 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:14 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 2 | 37444 | 10/27/11 22:26 | RMM | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-1B

Lab Sample ID: 480-11387-1

Date Collected: 10/18/11 11:55

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 22:31 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:33 | PN | TAL BUF |

Client Sample ID: AP-MW-2B

Lab Sample ID: 480-11387-2

Date Collected: 10/18/11 10:25

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:33 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:20 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 2 | 36056 | 10/18/11 21:22 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:15 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37444 | 10/27/11 22:36 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 22:39 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:33 | PN | TAL BUF |

Client Sample ID: AP-MW-6B

Lab Sample ID: 480-11387-3

Date Collected: 10/18/11 09:10

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:38 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:22 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 36056 | 10/18/11 20:59 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:18 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 5 | 37444 | 10/27/11 22:46 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 22:47 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:33 | PN | TAL BUF |

Client Sample ID: AP-MW-7B

Lab Sample ID: 480-11387-4

Date Collected: 10/18/11 13:05

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:44 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:37 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 36056 | 10/18/11 21:02 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37020 | 10/26/11 16:00 | RMM | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-MW-7B

Lab Sample ID: 480-11387-4

Date Collected: 10/18/11 13:05

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:21 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 22:54 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:33 | PN | TAL BUF |

Client Sample ID: AP-GW-DUP-01

Lab Sample ID: 480-11387-5

Date Collected: 10/18/11 00:00

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:49 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:39 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 5 | 36056 | 10/18/11 21:35 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:22 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37444 | 10/27/11 22:56 | RMM | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 23:02 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:42 | PN | TAL BUF |

Client Sample ID: AP-RB-01

Lab Sample ID: 480-11387-6

Date Collected: 10/18/11 14:10

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:54 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:41 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 36056 | 10/18/11 21:09 | KS | TAL BUF |
| Total/NA | Analysis | 300.0 | | 1 | 37020 | 10/26/11 16:21 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:23 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 23:10 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 09:42 | PN | TAL BUF |

Client Sample ID: AP-SWB-01

Lab Sample ID: 480-11387-7

Date Collected: 10/18/11 14:00

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3010A | | | 27170 | 10/21/11 08:25 | ALS | TAL BUR |
| Total/NA | Analysis | 6010B | | 1 | 27297 | 10/21/11 23:59 | BL | TAL BUR |
| Total/NA | Prep | 200.7 | | | 36075 | 10/19/11 09:20 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 36315 | 10/19/11 17:43 | LH | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 36056 | 10/18/11 21:25 | KS | TAL BUF |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

Client Sample ID: AP-SWB-01

Lab Sample ID: 480-11387-7

Date Collected: 10/18/11 14:00

Matrix: Water

Date Received: 10/18/11 15:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 300.0 | | 1 | 37020 | 10/26/11 16:31 | RMM | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 37197 | 10/25/11 14:24 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 38856 | 11/03/11 23:18 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 39103 | 11/05/11 10:00 | PN | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|------------------------|---------------|--------------------|------------|------------------|
| TestAmerica Buffalo | Arkansas | State Program | 6 | 88-0686 |
| TestAmerica Buffalo | California | NELAC | 9 | 1169CA |
| TestAmerica Buffalo | Connecticut | State Program | 1 | PH-0568 |
| TestAmerica Buffalo | Florida | NELAC | 4 | E87672 |
| TestAmerica Buffalo | Georgia | Georgia EPD | 4 | N/A |
| TestAmerica Buffalo | Georgia | State Program | 4 | 956 |
| TestAmerica Buffalo | Illinois | NELAC | 5 | 100325 / 200003 |
| TestAmerica Buffalo | Iowa | State Program | 7 | 374 |
| TestAmerica Buffalo | Kansas | NELAC | 7 | E-10187 |
| TestAmerica Buffalo | Kentucky | Kentucky UST | 4 | 30 |
| TestAmerica Buffalo | Kentucky | State Program | 4 | 90029 |
| TestAmerica Buffalo | Louisiana | NELAC | 6 | 02031 |
| TestAmerica Buffalo | Maine | State Program | 1 | NY0044 |
| TestAmerica Buffalo | Maryland | State Program | 3 | 294 |
| TestAmerica Buffalo | Massachusetts | State Program | 1 | M-NY044 |
| TestAmerica Buffalo | Michigan | State Program | 5 | 9937 |
| TestAmerica Buffalo | Minnesota | NELAC | 5 | 036-999-337 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 2337 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 68-00281 |
| TestAmerica Buffalo | New Jersey | NELAC | 2 | NY455 |
| TestAmerica Buffalo | New York | NELAC | 2 | 10026 |
| TestAmerica Buffalo | North Dakota | State Program | 8 | R-176 |
| TestAmerica Buffalo | Oklahoma | State Program | 6 | 9421 |
| TestAmerica Buffalo | Oregon | NELAC | 10 | NY200003 |
| TestAmerica Buffalo | Pennsylvania | NELAC | 3 | 68-00281 |
| TestAmerica Buffalo | Tennessee | State Program | 4 | TN02970 |
| TestAmerica Buffalo | Texas | NELAC | 6 | T104704412-08-TX |
| TestAmerica Buffalo | USDA | USDA | | P330-08-00242 |
| TestAmerica Buffalo | Virginia | NELAC Secondary AB | 3 | 460185 |
| TestAmerica Buffalo | Virginia | State Program | 3 | 278 |
| TestAmerica Buffalo | Washington | State Program | 10 | C1677 |
| TestAmerica Buffalo | Wisconsin | State Program | 5 | 998310390 |
| TestAmerica Burlington | ACCLASS | DoD ELAP | | ADE-1492 |
| TestAmerica Burlington | Connecticut | State Program | 1 | PH-0751 |
| TestAmerica Burlington | Delaware | Delaware DNREC | 3 | NA |
| TestAmerica Burlington | Florida | NELAC Secondary AB | 4 | E87467 |
| TestAmerica Burlington | Louisiana | NELAC Secondary AB | 6 | 176292 |
| TestAmerica Burlington | Maine | State Program | 1 | VT00008 |
| TestAmerica Burlington | Minnesota | State Program | 5 | 050-999-436 |
| TestAmerica Burlington | New Hampshire | NELAC | 1 | 200610 |
| TestAmerica Burlington | New Jersey | NELAC | 2 | VT972 |
| TestAmerica Burlington | New York | NELAC | 2 | 10391 |
| TestAmerica Burlington | Pennsylvania | NELAC | 3 | 68-00489 |
| TestAmerica Burlington | Rhode Island | State Program | 1 | LAO00298 |
| TestAmerica Burlington | USDA | USDA | | P330-11-00093 |
| TestAmerica Burlington | Vermont | State Program | 1 | VT-4000 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

| Method | Method Description | Protocol | Laboratory |
|---------------|------------------------------------|-----------|------------|
| 624 | Volatile Organic Compounds (GC/MS) | 40CFR136A | TAL BUF |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | TAL BUF |
| 200.8 | Metals (ICP/MS) | EPA | TAL BUF |
| 6010B | Metals (Custom List) | SW846 | TAL BUR |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL BUF |
| 350.1 | Nitrogen, Ammonia | MCAWW | TAL BUF |
| 351.2 | Nitrogen, Total Kjeldahl | MCAWW | TAL BUF |
| 353.2 | Nitrogen, Nitrite | MCAWW | TAL BUF |
| 353.2 | Nitrate | EPA | TAL BUF |
| 410.4 | COD | MCAWW | TAL BUF |
| 420.4 | Phenolics, Total Recoverable | MCAWW | TAL BUF |
| 7196A | Chromium, Hexavalent | SW846 | TAL BUF |
| 9040B | pH | SW846 | TAL BUF |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | TAL BUF |
| SM 2540D | Solids, Total Suspended (TSS) | SM | TAL BUF |
| SM 4500 O G | Oxygen, Dissolved | SM | TAL BUF |
| SM 5210B | BOD, 5-Day | SM | TAL BUF |

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-11355-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-11355-1 | AP-MW-3B | Water | 10/17/11 12:10 | 10/17/11 17:05 |
| 480-11355-2 | AP-MW-4B | Water | 10/17/11 12:30 | 10/17/11 17:05 |
| 480-11355-3 | AP-MW-5B | Water | 10/17/11 12:50 | 10/17/11 17:05 |
| 480-11355-4 | AP-MW-8B | Water | 10/17/11 13:10 | 10/17/11 17:05 |
| 480-11355-5 | AP-SS-03 | Water | 10/17/11 14:30 | 10/17/11 17:05 |
| 480-11355-6 | AP-SS-02 | Water | 10/17/11 14:50 | 10/17/11 17:05 |
| 480-11355-7 | AP-SS-01/EWE-01 | Water | 10/17/11 15:10 | 10/17/11 17:05 |
| 480-11355-8 | TRIP BLANK | Water | 10/17/11 00:00 | 10/17/11 17:05 |
| 480-11387-1 | AP-MW-1B | Water | 10/18/11 11:55 | 10/18/11 15:10 |
| 480-11387-2 | AP-MW-2B | Water | 10/18/11 10:25 | 10/18/11 15:10 |
| 480-11387-3 | AP-MW-6B | Water | 10/18/11 09:10 | 10/18/11 15:10 |
| 480-11387-4 | AP-MW-7B | Water | 10/18/11 13:05 | 10/18/11 15:10 |
| 480-11387-5 | AP-GW-DUP-01 | Water | 10/18/11 00:00 | 10/18/11 15:10 |
| 480-11387-6 | AP-RB-01 | Water | 10/18/11 14:10 | 10/18/11 15:10 |
| 480-11387-7 | AP-SWB-01 | Water | 10/18/11 14:00 | 10/18/11 15:10 |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-11355-1

Login Number: 11355

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | False | |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | N/A | |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-11355-1

Login Number: 11355

List Number: 1

Creator: Marion, Greg T

List Source: TestAmerica Burlington

List Creation: 10/20/11 04:28 PM

| Question | Answer | Comment |
|--|--------|--|
| Radioactivity either was not measured or, if measured, is at or below background | False | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact. | True | 792773 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 16.2°C IR GUN ID 96/CF=0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | N/A | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | N/A | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-11355-1

Login Number: 11387

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | False | |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | N/A | |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-11355-1

Login Number: 11387

List Number: 1

Creator: Marion, Greg T

List Source: TestAmerica Burlington

List Creation: 10/20/11 04:37 PM

| Question | Answer | Comment |
|--|--------|--|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact. | True | 792773 |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 16.2°C IR GUN ID 96/CF=0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | N/A | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | N/A | |
| Residual Chlorine Checked. | N/A | |

Attachment E

Landfill Cap Inspection Checklists March, June, September and November 2011

**LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK**

| | |
|------------|--|
| Personnel: | Bruce Vinal |
| Date: | 3/16/11 1 st Quarter Inspection |
| Weather: | Sunny 40 degrees |

- 1. Inspection of ground surface for exposure of geotextile cover (cap erosion):**
None noted.
- 2. Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:** None noted.
- 3. Identification of stressed vegetation:**
Re-seeded areas around T-7 are still not yet established. Several areas of sod on the Northern slope of T-7 have been damaged as a result of snow removal
- 4. Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
None observed.
- 5. Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):**
The two new piezometers wells still require Safety Blue paint. The door to the T-1 shed is inadequate in keeping out small rodents. In the past, rodents were responsible for chewing through wiring of monitoring equipment. Rat baits have been used with success. With O&M visits limited to once a month we aren't able to clean out the dead mice decompose before next visit. One of the tanks containing liquid flocculent in the "Lab Shed" is leaking. The leak is confined to the secondary containment vessel. These containers are no longer in use and should be removed
- 6. Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
Blockage of flow at Southwest corner of property where road crosses swale to T-1 shed. Blockage cleared and pipes under road able to handle the high flow rate.
- 7. Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
None observed.
- 8. Inspection of access roads:**
Numerous areas of the access roads have been gouged by snowplows and will require repair.

**LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK**

| | |
|------------|--|
| Personnel: | Bruce Vinal |
| Date: | 6/16/11 2 nd Quarter inspection |
| Weather: | Sunny 90 degrees |

1. **Inspection of ground surface for exposure of geotextile cover (cap erosion):**
None noted.
2. **Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:** None noted
3. **Identification of stressed vegetation:** Re-seeded areas around T-7 are well established and appear to be doing well. Areas on the Northern slope of T-7 closest to the entry gate were damaged during snow removal. This does not affect the integrity of T-7 berm but should be repaired as it hinders lawn mowing.
4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
None noted
5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):** Influent line cleanout vault in the Southwest corner closest to the T-1 shed has been hit by a snowplow and knocked out of square, lid does not close completely. New piezometers still need to be painted. The leaking liquid flocculent containers in the Lab shed will be removed. The door to the T-1 shed still has a gap that allows rodents to gain access.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
The area where the discharge swale leaves the site has backed up with a combination of organic matter and iron sediment causing the water to be diverted to the east. Blockage has been cleaned out by hand and correct flow restored.
7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
None noted.
8. **Inspection of access roads:** The roads around the site perimeter are overgrown with weeds, but will be cleared during cap mowing. The road to the T-8 shed has significant settling in the area where the new T-7 outlet pipe was installed.

**LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK**

| | |
|------------|--|
| Personnel: | Bruce Vinal |
| Date: | 9/11/11 3 rd Quarter Inspection |
| Weather: | Sunny 80 degrees |

1. **Inspection of ground surface for exposure of geotextile cover (cap erosion):**
None noted.
2. **Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:** The areas above the trench where the new T-7 outfall pipe was installed have settled substantially. No ponding was observed, but the situation creates maintenance issues
3. **Identification of stressed vegetation:** Vegetation site-wide is thriving.
4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
None noted.
5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):** New monitoring wells have been painted with safety blue paint and reflective markers have been added to aid in visibility during cap mowing. Leaking flocculent tanks were no longer needed and have been removed, the remaining chemical has been transferred to drums and needs to be disposed of. Cleanout enclosure in the SW corner still requires repair/replacement. Entrance doors to all the sheds are not tight enough to keep rodents out, in the winter months we are virtually overrun with mice in the sheds.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
The end of the effluent swale is choked with organic material, the surface water sampling pool for sample ID AP-SW-01 is nonexistent. This area should be cleaned and dug out to facilitate clean sample collection.
7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
None noted.
8. **Inspection of access roads:** All access roads, as well as the areas around the treatment system are overgrown. Mowing and weeding scheduled for Q4 will resolve these issues.

**LANDFILL CAP INSPECTION CHECKLIST
AIRCO PARCEL, NIAGARA FALLS, NEW YORK**

| | |
|------------|---|
| Personnel: | Bruce Vinal |
| Date: | 11/12/11 4 th Quarter Inspection |
| Weather: | Sunny 45 degrees |

1. **Inspection of ground surface for exposure of geotextile cover (cap erosion):**
None noted.
2. **Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:** The entire length of the trench where the new outlet pipe was installed on T-7 has settled and needs to be addressed. Crushed gravel should be added in the road area and topsoil should be added, raked and seeded in the grass areas.
3. **Identification of stressed vegetation:** None noted.
4. **Identification of seeps, rooted vegetation (trees), and/or animal burrows:**
Cap mowing has been completed. There are some areas along the Northeast fence line that were missed.
5. **Identification of deteriorating equipment (i.e., monitoring wells, fencing, or drainage structures):** Cleanout enclosure in the SW corner still requires repair/replacement, the box is out of square and will not close correctly. Entrance doors to all the sheds are not tight enough to keep rodents out, in the winter months rodents can overrun the sheds.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
Effluent swale is choked with organic matter left over from cap mowing, and iron sediment has started to become an issue. The area at the point where the water leaves the site is plugging up and tends to backup along the Southern road. Swale needs to be cleaned out and re-defined. The new outfall line from T-7 is prone to clogging from organic matter within the pond, frequent cleaning is required.
7. **Inspection of east side of the landfill (Niagara Mohawk Power Corporation parcel) along the intermittent stream for the presence of erosion or sloughing:**
None noted.
8. **Inspection of access roads:** With the exception of the issue noted in #2, all roads are in acceptable condition.

Attachment F

Laboratory Analytical Results for GCTS Discharge Sampling February and September 2011

TABLE 2 SUMMARY OF QUARTERLY GCTS DISCHARGE SAMPLING
1 JANUARY AND 31 DECEMBER 2011,
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| Parameter | 12 February 2011 | 16 June 2011 | 9 September 2011 | 18 October 2011 | New York State Department of Environmental Conservation Discharge Criteria |
|--|------------------|--------------|------------------|-----------------|--|
| pH | 7.67 | 7.79 | 7.95 | 7.69 | 6-8 |
| Total suspended solids | 18.8 | <4.0U | 22.8 | 32.8 | 10 mg/L |
| Dissolved Oxygen | 9.5 | 7.4 | 6.6 | 5.3 | 7 mg/L |
| Ammonia as N | 1.4 | <0.020U | <0.020U | <9.2U | 9.2 mg/L |
| Total Kjeldahl nitrogen | 2.4 | 0.28 | 0.21 | 0.41 | Monitor (mg/L) |
| Total Recoverable Phenolics | <0.010U | <0.010U | 0.0065J | <0.010U | 0.008 mg/L |
| Biochemical oxygen demand | <2.0U | <2.0U | <2.0U | <2.0U | 5.0 mg/L |
| 1,1-Dichloroethane | <5U | <5U | <5U | <5U | 5.0 µg/L |
| Trichloroethene | <5U | <5U | <5U | <5U | 5.0 µg/L |
| Nickel | 0.0033J | 0.0019J | 0.0019J | 0.0013J | 0.07 mg/L |
| Copper | 0.0015J | <0.010U | <0.010U | <0.010U | 0.0147 mg/L |
| Barium | 0.253 | 0.21 | 0.216 | 0.195 | 2 mg/L |
| Total chromium | 0.0048 | 0.0016J | 0.0013J | 0.0010J | 0.1 mg/L |
| Hexavalent chromium | <0.010U | <0.010U | 0.0090J | <0.010U | 0.011 mg/L |
| Iron | 0.0508 | 0.036J | 0.142 | 0.0942 | 0.3 mg/L |
| Selenium | 0.005 | <0.015U | 0.00089J | 0.00066J | 0.0046 mg/L |
| Thallium | 0.000018J | <0.20U | <0.00020U | 0.000025J | 0.004 mg/L |
| Zinc | <0.010U | <0.010U | <0.010U | 0.0036J | 0.115 mg/L |
| Nitrate as N | 1.0 | 0.53 | 0.69 | 0.69 | Monitor (mg/L-N) |
| Nitrite as N | <0.050U | <0.050U | <0.050U | <0.050U | Monitor (mg/L-N) |
| Chemical oxygen demand | <10U | <10U | 8.0J | 13.3 | 40 mg/L |
| Total dissolved solids | 1020 | 622 | 531 | 655 | Monitor (mg/L) |
| Values in bold exceeded discharge guidance values. | | | | | |

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-1601-1

Client Project/Site: Greenstar Environmental Solutions, LLC

Sampling Event: Quarterly Discharge Monitoring

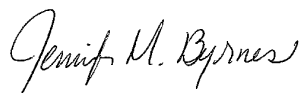
For:

Greenstar Environmental Solutions, LLC

6 Gellatly Drive

Wappingers Falls, New York 12590

Attn: Charles E. McLeod, Jr.



Authorized for release by:

2/28/2011 12:45 PM

Jennifer Byrnes

Project Administrator

jennifer.byrnes@testamericainc.com

Designee for

Peggy Gray-Erdmann

Project Manager II

peggy.gray-erdmann@testamericainc.com

LINKS

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Qualifier Definition/Glossary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| F | MS or MSD exceeds the control limits |
| H | Sample was prepped or analyzed beyond the specified holding time |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Glossary | Glossary Description |
|----------|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis. |

Case Narrative

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Job ID: 480-1601-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-1601-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 350.1: The method blank for preparation batch 5470 contained ammonia above the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-analysis of samples was not performed. AP-EWE-01 (480-1601-1)

Method(s) 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 5655 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-1601-1 MS)

Method(s) SM 4500 O G: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: AP-EWE-01 (480-1601-1)

No other analytical or quality issues were noted.

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Client Sample ID: AP-EWE-01

Lab Sample ID: 480-1601-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-------|--------|-----------|---------|---|---------------|-----------|
| Barium | 253 | | 2.0 | 0.50 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 4.8 | | 4.0 | 0.87 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Copper | 1.5 | J | 10.0 | 1.5 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 50.8 | | 50.0 | 19.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Nickel | 3.3 | J | 10.0 | 1.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 5.0 | | 1.0 | 0.44 | ug/L | 1 | | 200.8 | Total/NA |
| Thallium | 0.018 | J | 0.20 | 0.0080 | ug/L | 1 | | 200.8 | Total/NA |
| Ammonia | 1.4 | B | 0.020 | 0.0090 | mg/L as N | 1 | | 350.1 | Total/NA |
| Total Kjeldahl Nitrogen | 2.4 | | 0.20 | 0.15 | mg/L as N | 1 | | 351.2 | Total/NA |
| Nitrate as N | 1.0 | | 0.050 | 0.011 | mg/L | 1 | | 353.2 | Total/NA |
| Total Dissolved Solids | 1020 | | 10.0 | 4.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.67 | H | 0.100 | 0.100 | SU | 1 | | 9040B | Total/NA |
| Total Suspended Solids | 18.8 | | 4.0 | 4.0 | mg/L | 1 | | SM 2540D | Total/NA |
| Oxygen, Dissolved | 9.5 | H | 0.050 | 0.050 | mg/L | 1 | | SM 4500 O G | Total/NA |

Client Sample ID: Trip blank

Lab Sample ID: 480-1601-2

No Detections.

Analytical Data

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Client Sample ID: AP-EWE-01

Date Collected: 02/12/11 13:00

Date Received: 02/12/11 14:00

Lab Sample ID: 480-1601-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 02/14/11 16:24 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 02/14/11 16:24 | 1 |
| Surrogate | % Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 72 - 130 | | | | | 02/14/11 16:24 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 69 - 121 | | | | | 02/14/11 16:24 | 1 |
| Toluene-d8 (Surr) | 103 | | 70 - 123 | | | | | 02/14/11 16:24 | 1 |

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Barium | 253 | | 2.0 | 0.50 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |
| Chromium | 4.8 | | 4.0 | 0.87 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |
| Copper | 1.5 | J | 10.0 | 1.5 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |
| Iron | 50.8 | | 50.0 | 19.3 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |
| Nickel | 3.3 | J | 10.0 | 1.3 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |
| Zinc | ND | | 10.0 | 1.7 | ug/L | | 02/15/11 08:10 | 02/15/11 20:47 | 1 |

Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|--------|------|---|----------------|----------------|---------|
| Selenium | 5.0 | | 1.0 | 0.44 | ug/L | | 02/15/11 08:20 | 02/15/11 18:41 | 1 |
| Thallium | 0.018 | J | 0.20 | 0.0080 | ug/L | | 02/15/11 08:20 | 02/15/11 18:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Ammonia | 1.4 | B | 0.020 | 0.0090 | mg/L as N | | | 02/14/11 12:27 | 1 |
| Total Kjeldahl Nitrogen | 2.4 | | 0.20 | 0.15 | mg/L as N | | 02/15/11 08:40 | 02/16/11 09:57 | 1 |
| Nitrate as N | 1.0 | | 0.050 | 0.011 | mg/L | | | 02/17/11 11:47 | 1 |
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 02/12/11 15:44 | 1 |
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 02/15/11 18:11 | 1 |
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 02/15/11 15:55 | 02/16/11 15:49 | 1 |
| Cr (VI) | ND | | 0.010 | 0.0050 | mg/L | | | 02/12/11 14:30 | 1 |
| Total Dissolved Solids | 1020 | | 10.0 | 4.0 | mg/L | | | 02/16/11 10:53 | 1 |
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 02/12/11 12:30 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| pH | 7.67 | H | 0.100 | 0.100 | SU | | | 02/14/11 21:27 | 1 |
| Total Suspended Solids | 18.8 | | 4.0 | 4.0 | mg/L | | | 02/16/11 10:59 | 1 |
| Oxygen, Dissolved | 9.5 | H | 0.050 | 0.050 | mg/L | | | 02/13/11 12:05 | 1 |

Client Sample ID: Trip blank

Date Collected: 02/12/11 00:00

Date Received: 02/12/11 14:00

Lab Sample ID: 480-1601-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 02/14/11 16:50 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 02/14/11 16:50 | 1 |
| Surrogate | % Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 72 - 130 | | | | | 02/14/11 16:50 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 69 - 121 | | | | | 02/14/11 16:50 | 1 |
| Toluene-d8 (Surr) | 102 | | 70 - 123 | | | | | 02/14/11 16:50 | 1 |

TestAmerica Buffalo

Surrogate Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|----------------|------------------|--|-----------------|-----------------|
| | | 12DCE (72-130) | BFB (69-121) | TOL (70-123) |
| 480-1601-1 | AP-EWE-01 | 100 | 102 | 103 |
| 480-1601-2 | Trip blank | 101 | 102 | 102 |
| LCS 480-5428/4 | LCS 480-5428/4 | 104 | 101 | 103 |
| MB 480-5428/5 | MB 480-5428/5 | 103 | 103 | 101 |

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Quality Control Data

Client: Greenstar Environmental Solutions, LLC
 Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-5428/5

Matrix: Water

Analysis Batch: 5428

Client Sample ID: MB 480-5428/5

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|--------------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 02/14/11 11:30 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 02/14/11 11:30 | 1 |
| Surrogate | % Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 72 - 130 | | | | | 02/14/11 11:30 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | | 69 - 121 | | | | | 02/14/11 11:30 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 123 | | | | | 02/14/11 11:30 | 1 |

Lab Sample ID: LCS 480-5428/4

Matrix: Water

Analysis Batch: 5428

Client Sample ID: LCS 480-5428/4

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|-------------|---------------|---------------|------|---|-------|---------------|
| 1,1-Dichloroethane | 20.0 | 20.8 | | ug/L | | 104 | 73 - 128 |
| Trichloroethene | 20.0 | 19.1 | | ug/L | | 96 | 67 - 134 |
| Surrogate | % Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 72 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | 101 | | 69 - 121 | | | | |
| Toluene-d8 (Surr) | 103 | | 70 - 123 | | | | |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-5493/1-A

Matrix: Water

Analysis Batch: 5638

Client Sample ID: MB 480-5493/1-A

Prep Type: Total/NA

Prep Batch: 5493

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Barium | ND | | 2.0 | 0.50 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |
| Chromium | ND | | 4.0 | 0.87 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |
| Copper | ND | | 10.0 | 1.5 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |
| Iron | ND | | 50.0 | 19.3 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |
| Nickel | ND | | 10.0 | 1.3 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |
| Zinc | ND | | 10.0 | 1.7 | ug/L | | 02/15/11 08:10 | 02/15/11 19:41 | 1 |

Lab Sample ID: LCS 480-5493/2-A

Matrix: Water

Analysis Batch: 5638

Client Sample ID: LCS 480-5493/2-A

Prep Type: Total/NA

Prep Batch: 5493

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------|-------------|------------|---------------|------|---|-------|---------------|
| Barium | 200 | 200.6 | | ug/L | | 100 | 85 - 115 |
| Chromium | 200 | 203.2 | | ug/L | | 102 | 85 - 115 |
| Copper | 200 | 213.5 | | ug/L | | 107 | 85 - 115 |
| Iron | 10000 | 9763 | | ug/L | | 98 | 85 - 115 |
| Nickel | 200 | 202.2 | | ug/L | | 101 | 85 - 115 |
| Zinc | 200 | 197.9 | | ug/L | | 99 | 85 - 115 |

TestAmerica Buffalo

Quality Control Data

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-5494/1-A

Matrix: Water

Analysis Batch: 5773

Client Sample ID: MB 480-5494/1-A

Prep Type: Total/NA

Prep Batch: 5494

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|--------|------|---|----------------|----------------|---------|
| Selenium | ND | | 1.0 | 0.44 | ug/L | | 02/15/11 08:20 | 02/15/11 16:14 | 1 |
| Thallium | ND | | 0.20 | 0.0080 | ug/L | | 02/15/11 08:20 | 02/15/11 16:14 | 1 |

Lab Sample ID: LCS 480-5494/2-A

Matrix: Water

Analysis Batch: 5773

Client Sample ID: LCS 480-5494/2-A

Prep Type: Total/NA

Prep Batch: 5494

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------|-------------|------------|---------------|------|---|-------|---------------|
| Selenium | 20.0 | 19.38 | | ug/L | | 97 | 85 - 115 |
| Thallium | 20.0 | 21.25 | | ug/L | | 106 | 85 - 115 |

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-5470/99

Matrix: Water

Analysis Batch: 5470

Client Sample ID: MB 480-5470/99

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia | 0.0208 | | 0.020 | 0.0090 | mg/L as N | | | 02/14/11 12:09 | 1 |

Lab Sample ID: LCS 480-5470/100

Matrix: Water

Analysis Batch: 5470

Client Sample ID: LCS 480-5470/100

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|-------------|------------|---------------|-----------|---|-------|---------------|
| Ammonia | 1.00 | 1.00 | | mg/L as N | | 100 | 90 - 110 |

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-5530/2-A

Matrix: Water

Analysis Batch: 5655

Client Sample ID: MB 480-5530/2-A

Prep Type: Total/NA

Prep Batch: 5530

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|------|------|-----------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen | ND | | 0.20 | 0.15 | mg/L as N | | 02/15/11 08:40 | 02/16/11 09:10 | 1 |

Lab Sample ID: LCS 480-5530/3-A

Matrix: Water

Analysis Batch: 5655

Client Sample ID: LCS 480-5530/3-A

Prep Type: Total/NA

Prep Batch: 5530

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|-------------------------|-------------|------------|---------------|-----------|---|-------|---------------|
| Total Kjeldahl Nitrogen | 2.50 | 2.59 | | mg/L as N | | 104 | 90 - 110 |

Lab Sample ID: 480-1601-1 MS

Matrix: Water

Analysis Batch: 5655

Client Sample ID: AP-EWE-01

Prep Type: Total/NA

Prep Batch: 5530

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | % Rec. Limits |
|-------------------------|---------------|------------------|-------------|-----------|--------------|-----------|---|-------|---------------|
| Total Kjeldahl Nitrogen | 2.4 | | 1.00 | 4.03 | F | mg/L as N | | 163 | 72 - 127 |

TestAmerica Buffalo

Quality Control Data

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 480-1601-1 DU
Matrix: Water
Analysis Batch: 5655

Client Sample ID: AP-EWE-01
Prep Type: Total/NA
Prep Batch: 5530

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|-------------------------|---------------|------------------|-----------|--------------|-----------|---|-----|-----------|
| Total Kjeldahl Nitrogen | 2.4 | | 2.71 | | mg/L as N | | 12 | 20 |

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-5392/3
Matrix: Water
Analysis Batch: 5392

Client Sample ID: MB 480-5392/3
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|-----------|--------------|-------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 02/12/11 15:39 | 1 |

Lab Sample ID: LCS 480-5392/4
Matrix: Water
Analysis Batch: 5392

Client Sample ID: LCS 480-5392/4
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|-------------|------------|---------------|------|---|-------|---------------|
| Nitrite as N | 1.50 | 1.60 | | mg/L | | 107 | 90 - 110 |

Method: 410.4 - COD

Lab Sample ID: MB 480-5582/3
Matrix: Water
Analysis Batch: 5582

Client Sample ID: MB 480-5582/3
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 02/15/11 16:48 | 1 |

Lab Sample ID: LCS 480-5582/4
Matrix: Water
Analysis Batch: 5582

Client Sample ID: LCS 480-5582/4
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Chemical Oxygen Demand | 25.0 | 25.43 | | mg/L | | 102 | 90 - 110 |

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-5584/1-A
Matrix: Water
Analysis Batch: 5700

Client Sample ID: MB 480-5584/1-A
Prep Type: Total/NA
Prep Batch: 5584

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 02/15/11 15:55 | 02/16/11 14:46 | 1 |

Lab Sample ID: LCS 480-5584/2-A
Matrix: Water
Analysis Batch: 5700

Client Sample ID: LCS 480-5584/2-A
Prep Type: Total/NA
Prep Batch: 5584

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Phenolics, Total Recoverable | 100 | 98.75 | | ug/L | | 99 | 90 - 110 |

Quality Control Data

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 480-1601-1 DU

Matrix: Water

Analysis Batch: 5700

Client Sample ID: AP-EWE-01

Prep Type: Total/NA

Prep Batch: 5584

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|------------------------------|---------------|------------------|-----------|--------------|------|---|-----|-------|
| Phenolics, Total Recoverable | ND | | 5.11 | J | ug/L | | NC | 20 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-5405/3

Matrix: Water

Analysis Batch: 5405

Client Sample ID: MB 480-5405/3

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|--------|------|---|----------|----------------|---------|
| Cr (VI) | ND | | 0.010 | 0.0050 | mg/L | | | 02/12/11 13:30 | 1 |

Lab Sample ID: LCS 480-5405/4

Matrix: Water

Analysis Batch: 5405

Client Sample ID: LCS 480-5405/4

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|-------------|------------|---------------|------|---|-------|---------------|
| Cr (VI) | 0.0500 | 0.0530 | | mg/L | | 106 | 85 - 115 |

Method: 9040B - pH

Lab Sample ID: 480-1601-1 DU

Matrix: Water

Analysis Batch: 5518

Client Sample ID: AP-EWE-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-------|
| pH | 7.67 | H | 7.690 | | SU | | 0.3 | 5 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-5664/1

Matrix: Water

Analysis Batch: 5664

Client Sample ID: MB 480-5664/1

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | ND | | 10.0 | 4.0 | mg/L | | | 02/16/11 10:53 | 1 |

Lab Sample ID: LCS 480-5664/2

Matrix: Water

Analysis Batch: 5664

Client Sample ID: LCS 480-5664/2

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Total Dissolved Solids | 500 | 532.0 | | mg/L | | 106 | 85 - 115 |

Quality Control Data

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-5667/1

Matrix: Water

Analysis Batch: 5667

Client Sample ID: MB 480-5667/1

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------------|-----------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 02/16/11 10:59 | 1 |

Lab Sample ID: LCS 480-5667/2

Matrix: Water

Analysis Batch: 5667

Client Sample ID: LCS 480-5667/2

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Total Suspended Solids | 203 | 183.2 | | mg/L | | 90 | 88 - 110 |

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-5399/1 MB

Matrix: Water

Analysis Batch: 5399

Client Sample ID: USB 480-5399/1

Prep Type: Total/NA

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|---------------|------------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 02/12/11 12:30 | 1 |

Lab Sample ID: LCS 480-5399/2

Matrix: Water

Analysis Batch: 5399

Client Sample ID: LCS 480-5399/2

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Biochemical Oxygen Demand | 198 | 182.6 | | mg/L | | 92 | 85 - 115 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

GC/MS VOA

Analysis Batch: 5428

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 624 | |
| 480-1601-2 | Trip blank | Total/NA | Water | 624 | |
| LCS 480-5428/4 | LCS 480-5428/4 | Total/NA | Water | 624 | |
| MB 480-5428/5 | MB 480-5428/5 | Total/NA | Water | 624 | |

Metals

Prep Batch: 5493

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 480-5493/1-A | MB 480-5493/1-A | Total/NA | Water | 200.7 | |
| LCS 480-5493/2-A | LCS 480-5493/2-A | Total/NA | Water | 200.7 | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 200.7 | |

Prep Batch: 5494

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 480-5494/1-A | MB 480-5494/1-A | Total/NA | Water | 200.8 | |
| LCS 480-5494/2-A | LCS 480-5494/2-A | Total/NA | Water | 200.8 | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 200.8 | |

Analysis Batch: 5638

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|---------------|------------|
| MB 480-5493/1-A | MB 480-5493/1-A | Total/NA | Water | 200.7 Rev 4.4 | 5493 |
| LCS 480-5493/2-A | LCS 480-5493/2-A | Total/NA | Water | 200.7 Rev 4.4 | 5493 |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 200.7 Rev 4.4 | 5493 |

Analysis Batch: 5773

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 480-5494/1-A | MB 480-5494/1-A | Total/NA | Water | 200.8 | 5494 |
| LCS 480-5494/2-A | LCS 480-5494/2-A | Total/NA | Water | 200.8 | 5494 |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 200.8 | 5494 |

General Chemistry

Analysis Batch: 5392

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| MB 480-5392/3 | MB 480-5392/3 | Total/NA | Water | 353.2 | |
| LCS 480-5392/4 | LCS 480-5392/4 | Total/NA | Water | 353.2 | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 353.2 | |

Analysis Batch: 5399

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| USB 480-5399/1 MB | USB 480-5399/1 | Total/NA | Water | SM 5210B | |
| LCS 480-5399/2 | LCS 480-5399/2 | Total/NA | Water | SM 5210B | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | SM 5210B | |

Analysis Batch: 5400

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | SM 4500 O G | |

Analysis Batch: 5405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| MB 480-5405/3 | MB 480-5405/3 | Total/NA | Water | 7196A | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

General Chemistry (Continued)

Analysis Batch: 5405 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| LCS 480-5405/4 | LCS 480-5405/4 | Total/NA | Water | 7196A | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 7196A | |

Analysis Batch: 5470

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| LCS 480-5470/100 | LCS 480-5470/100 | Total/NA | Water | 350.1 | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 350.1 | |
| MB 480-5470/99 | MB 480-5470/99 | Total/NA | Water | 350.1 | |

Analysis Batch: 5518

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| LCS 480-5518/1 | LCS 480-5518/1 | Total/NA | Water | 9040B | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 9040B | |
| 480-1601-1 DU | AP-EWE-01 | Total/NA | Water | 9040B | |

Prep Batch: 5530

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 351.2 | |
| 480-1601-1 DU | AP-EWE-01 | Total/NA | Water | 351.2 | |
| 480-1601-1 MS | AP-EWE-01 | Total/NA | Water | 351.2 | |
| MB 480-5530/2-A | MB 480-5530/2-A | Total/NA | Water | 351.2 | |
| LCS 480-5530/3-A | LCS 480-5530/3-A | Total/NA | Water | 351.2 | |

Analysis Batch: 5582

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 410.4 | |
| MB 480-5582/3 | MB 480-5582/3 | Total/NA | Water | 410.4 | |
| LCS 480-5582/4 | LCS 480-5582/4 | Total/NA | Water | 410.4 | |

Prep Batch: 5584

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|----------------|------------|
| MB 480-5584/1-A | MB 480-5584/1-A | Total/NA | Water | Distill/Phenol | |
| LCS 480-5584/2-A | LCS 480-5584/2-A | Total/NA | Water | Distill/Phenol | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | Distill/Phenol | |
| 480-1601-1 DU | AP-EWE-01 | Total/NA | Water | Distill/Phenol | |

Analysis Batch: 5655

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 351.2 | 5530 |
| 480-1601-1 DU | AP-EWE-01 | Total/NA | Water | 351.2 | 5530 |
| 480-1601-1 MS | AP-EWE-01 | Total/NA | Water | 351.2 | 5530 |
| MB 480-5530/2-A | MB 480-5530/2-A | Total/NA | Water | 351.2 | 5530 |
| LCS 480-5530/3-A | LCS 480-5530/3-A | Total/NA | Water | 351.2 | 5530 |

Analysis Batch: 5664

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|----------|------------|
| MB 480-5664/1 | MB 480-5664/1 | Total/NA | Water | SM 2540C | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | SM 2540C | |
| LCS 480-5664/2 | LCS 480-5664/2 | Total/NA | Water | SM 2540C | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

General Chemistry (Continued)

Analysis Batch: 5667

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|------------------|-----------|--------|----------|------------|
| MB 480-5667/1 | MB 480-5667/1 | Total/NA | Water | SM 2540D | |
| LCS 480-5667/2 | LCS 480-5667/2 | Total/NA | Water | SM 2540D | |
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | SM 2540D | |

Analysis Batch: 5700

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 420.4 | 5584 |
| 480-1601-1 DU | AP-EWE-01 | Total/NA | Water | 420.4 | 5584 |
| MB 480-5584/1-A | MB 480-5584/1-A | Total/NA | Water | 420.4 | 5584 |
| LCS 480-5584/2-A | LCS 480-5584/2-A | Total/NA | Water | 420.4 | 5584 |

Analysis Batch: 5780

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-1601-1 | AP-EWE-01 | Total/NA | Water | 353.2 | |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

Client Sample ID: AP-EWE-01

Date Collected: 02/12/11 13:00

Date Received: 02/12/11 14:00

Lab Sample ID: 480-1601-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------------------|
| Total/NA | Analysis | 624 | | 1 | 5428 | 02/14/11 16:24 | TRB | TestAmerica Buffalo |
| Total/NA | Prep | 200.7 | | | 5493 | 02/15/11 08:10 | MM | TestAmerica Buffalo |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 5638 | 02/15/11 20:47 | MM | TestAmerica Buffalo |
| Total/NA | Prep | 200.8 | | | 5494 | 02/15/11 08:20 | MM | TestAmerica Buffalo |
| Total/NA | Analysis | 200.8 | | 1 | 5773 | 02/15/11 18:41 | DN | TestAmerica Buffalo |
| Total/NA | Analysis | 353.2 | | 1 | 5392 | 02/12/11 15:44 | RF | TestAmerica Buffalo |
| Total/NA | Analysis | SM 5210B | | 1 | 5399 | 02/12/11 12:30 | AP | TestAmerica Buffalo |
| Total/NA | Analysis | SM 4500 O G | | 1 | 5400 | 02/13/11 12:05 | AP | TestAmerica Buffalo |
| Total/NA | Analysis | 7196A | | 1 | 5405 | 02/12/11 14:30 | AP | TestAmerica Buffalo |
| Total/NA | Analysis | 350.1 | | 1 | 5470 | 02/14/11 12:27 | JE | TestAmerica Buffalo |
| Total/NA | Analysis | 9040B | | 1 | 5518 | 02/14/11 21:27 | RL | TestAmerica Buffalo |
| Total/NA | Analysis | 410.4 | | 1 | 5582 | 02/15/11 18:11 | RL | TestAmerica Buffalo |
| Total/NA | Prep | 351.2 | | | 5530 | 02/15/11 08:40 | JM | TestAmerica Buffalo |
| Total/NA | Analysis | 351.2 | | 1 | 5655 | 02/16/11 09:57 | JM | TestAmerica Buffalo |
| Total/NA | Analysis | SM 2540C | | 1 | 5664 | 02/16/11 10:53 | KP | TestAmerica Buffalo |
| Total/NA | Analysis | SM 2540D | | 1 | 5667 | 02/16/11 10:59 | KP | TestAmerica Buffalo |
| Total/NA | Prep | Distill/Phenol | | | 5584 | 02/15/11 15:55 | JN | TestAmerica Buffalo |
| Total/NA | Analysis | 420.4 | | 1 | 5700 | 02/16/11 15:49 | JR | TestAmerica Buffalo |
| Total/NA | Analysis | 353.2 | | 1 | 5780 | 02/17/11 11:47 | RF | TestAmerica Buffalo |

Client Sample ID: Trip blank

Date Collected: 02/12/11 00:00

Date Received: 02/12/11 14:00

Lab Sample ID: 480-1601-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------------------|
| Total/NA | Analysis | 624 | | 1 | 5428 | 02/14/11 16:50 | TRB | TestAmerica Buffalo |

Certification Summary

Client: Greenstar Environmental Solutions, LLC
 Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

| Laboratory | Authority | Program | EPA Region | Certification ID | * Expiration Date |
|---------------------|---------------|-------------------|------------|------------------|-------------------|
| TestAmerica Buffalo | | USDA | | P330-08-00242 | 11/25/11 |
| TestAmerica Buffalo | Arkansas | State Program | 6 | 88-0686 | 07/06/11 |
| TestAmerica Buffalo | California | NELAC | 9 | 1169CA | 09/30/11 |
| TestAmerica Buffalo | Connecticut | State Program | 1 | PH-0568 | 09/30/12 |
| TestAmerica Buffalo | Florida | NELAC | 4 | E87672 | 06/30/11 |
| TestAmerica Buffalo | Georgia | Georgia EPD | 4 | N/A | 03/31/11 |
| TestAmerica Buffalo | Georgia | State Program | 4 | 956 | 04/01/10 |
| TestAmerica Buffalo | Illinois | NELAC | 5 | 100325 / 200003 | 09/30/11 |
| TestAmerica Buffalo | Iowa | State Program | 7 | 374 | 03/01/11 |
| TestAmerica Buffalo | Kentucky | Kentucky UST | 4 | 30 | 04/12/12 |
| TestAmerica Buffalo | Kentucky | State Program | 4 | 90029 | 12/31/11 |
| TestAmerica Buffalo | Louisiana | NELAC | 6 | 02031 | 06/30/11 |
| TestAmerica Buffalo | Maine | State Program | 1 | NY0044 | 12/04/12 |
| TestAmerica Buffalo | Maryland | State Program | 3 | 294 | 03/31/11 |
| TestAmerica Buffalo | Massachusetts | State Program | 1 | M-NY044 | 06/30/11 |
| TestAmerica Buffalo | Michigan | State Program | 5 | 9937 | 04/01/11 |
| TestAmerica Buffalo | Minnesota | NELAC | 5 | 036-999-337 | 12/31/11 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 68-00281 | 11/17/11 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 2337 | 09/11/11 |
| TestAmerica Buffalo | New Jersey | NELAC | 2 | NY455 | 06/30/11 |
| TestAmerica Buffalo | New York | NELAC | 2 | 10026 | 04/01/11 |
| TestAmerica Buffalo | North Dakota | State Program | 8 | R-176 | 03/31/11 |
| TestAmerica Buffalo | Oklahoma | State Program | 6 | 9421 | 09/30/11 |
| TestAmerica Buffalo | Oregon | NELAC | 10 | NY200003 | 06/10/11 |
| TestAmerica Buffalo | Pennsylvania | NELAC | 3 | 68-00281 | 07/31/11 |
| TestAmerica Buffalo | Tennessee | State Program | 4 | TN02970 | 03/31/11 |
| TestAmerica Buffalo | Texas | NELAC | 6 | T104704412-08-TX | 07/31/11 |
| TestAmerica Buffalo | Virginia | State Program | 3 | 278 | 06/30/11 |
| TestAmerica Buffalo | Washington | State Program | 10 | C1677 | 02/10/12 |
| TestAmerica Buffalo | West Virginia | West Virginia DEP | 3 | 252 | 09/30/11 |
| TestAmerica Buffalo | Wisconsin | State Program | 5 | 998310390 | 08/31/11 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

* Any expired certifications in this list are currently pending renewal and are considered valid.

Method Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

| Method | Method Description | Protocol | Laboratory |
|---------------|------------------------------------|-----------|------------|
| 624 | Volatile Organic Compounds (GC/MS) | 40CFR136A | TAL BUF |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | TAL BUF |
| 200.8 | Metals (ICP/MS) | EPA | TAL BUF |
| 350.1 | Nitrogen, Ammonia | MCAWW | TAL BUF |
| 351.2 | Nitrogen, Total Kjeldahl | MCAWW | TAL BUF |
| 353.2 | Nitrogen, Nitrite | MCAWW | TAL BUF |
| 353.2 | Nitrate | EPA | TAL BUF |
| 410.4 | COD | MCAWW | TAL BUF |
| 420.4 | Phenolics, Total Recoverable | MCAWW | TAL BUF |
| 7196A | Chromium, Hexavalent | SW846 | TAL BUF |
| 9040B | pH | SW846 | TAL BUF |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | TAL BUF |
| SM 2540D | Solids, Total Suspended (TSS) | SM | TAL BUF |
| SM 4500 O G | Oxygen, Dissolved | SM | TAL BUF |
| SM 5210B | BOD, 5-Day | SM | TAL BUF |

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-1601-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-1601-1 | AP-EWE-01 | Water | 02/12/11 13:00 | 02/12/11 14:00 |
| 480-1601-2 | Trip blank | Water | 02/12/11 00:00 | 02/12/11 14:00 |

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Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-1601-1

Login Number: 1601

List Source: TestAmerica Buffalo

List Number: 1

Creator: Rabb, Mike

| Question | Answer | Comment |
|--|--------|-----------|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | True | Greenstar |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | True | |

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-9607-1

Client Project/Site: Greenstar Environmental Solutions, LLC

For:

Greenstar Environmental Solutions, LLC

6 Gellatly Drive

Wappingers Falls, New York 12590

Attn: Charles E. McLeod, Jr.

Peggy Gray-Erdmann

Authorized for release by:

09/26/2011 12:04:51 PM

Peggy Gray-Erdmann

Project Manager II

peggy.gray-erdmann@testamericainc.com

LINKS

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| H | Sample was prepped or analyzed beyond the specified holding time |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit (Dioxin) |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or method detection limit if shown) |
| PQL | Practical Quantitation Limit |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Job ID: 480-9607-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-9607-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) SM 5210B: For batch 30859 the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

No other analytical or quality issues were noted.

Detection Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Client Sample ID: AP-EWE-01

Lab Sample ID: 480-9607-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-------|-------|-----------|---------|---|---------------|-----------|
| Barium | 216 | | 2.0 | 0.50 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Chromium | 1.3 | J | 4.0 | 0.87 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Iron | 142 | | 50.0 | 19.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Nickel | 1.9 | J | 10.0 | 1.3 | ug/L | 1 | | 200.7 Rev 4.4 | Total/NA |
| Selenium | 0.89 | J | 1.0 | 0.44 | ug/L | 1 | | 200.8 | Total/NA |
| Total Kjeldahl Nitrogen | 0.21 | | 0.20 | 0.15 | mg/L as N | 1 | | 351.2 | Total/NA |
| Nitrate as N | 0.69 | | 0.050 | 0.011 | mg/L | 1 | | 353.2 | Total/NA |
| Chemical Oxygen Demand | 8.0 | J | 10.0 | 5.0 | mg/L | 1 | | 410.4 | Total/NA |
| Phenolics, Total Recoverable | 6.5 | J | 10.0 | 5.0 | ug/L | 1 | | 420.4 | Total/NA |
| Chromium, hexavalent | 9.0 | J | 10.0 | 5.0 | ug/L | 1 | | 7196A | Total/NA |
| Total Dissolved Solids | 531 | | 10.0 | 4.0 | mg/L | 1 | | SM 2540C | Total/NA |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
| pH | 7.95 | | 0.100 | 0.100 | SU | 1 | | 9040B | Total/NA |
| Total Suspended Solids | 22.8 | | 4.0 | 4.0 | mg/L | 1 | | SM 2540D | Total/NA |
| Oxygen, Dissolved | 6.6 | H | 0.050 | 0.050 | mg/L | 1 | | SM 4500 O G | Total/NA |

Client Sample ID: trip blank

Lab Sample ID: 480-9607-2

No Detections

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Client Sample ID: AP-EWE-01

Date Collected: 09/10/11 09:20

Date Received: 09/10/11 10:07

Lab Sample ID: 480-9607-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 09/13/11 19:04 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 09/13/11 19:04 | 1 |
| Surrogate | % Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 76 | | 72 - 130 | | | | | 09/13/11 19:04 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 69 - 121 | | | | | 09/13/11 19:04 | 1 |
| Toluene-d8 (Surr) | 112 | | 70 - 123 | | | | | 09/13/11 19:04 | 1 |

Method: 200.7 Rev 4.4 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Barium | 216 | | 2.0 | 0.50 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |
| Chromium | 1.3 | J | 4.0 | 0.87 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |
| Copper | ND | | 10.0 | 1.5 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |
| Iron | 142 | | 50.0 | 19.3 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |
| Nickel | 1.9 | J | 10.0 | 1.3 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |
| Zinc | ND | | 10.0 | 1.7 | ug/L | | 09/13/11 08:10 | 09/13/11 15:37 | 1 |

Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|--------|------|---|----------------|----------------|---------|
| Selenium | 0.89 | J | 1.0 | 0.44 | ug/L | | 09/13/11 08:30 | 09/13/11 20:21 | 1 |
| Thallium | ND | | 0.20 | 0.0080 | ug/L | | 09/13/11 08:30 | 09/13/11 20:21 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-------|--------|-----------|---|----------------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 09/14/11 13:32 | 1 |
| Total Kjeldahl Nitrogen | 0.21 | | 0.20 | 0.15 | mg/L as N | | 09/15/11 09:30 | 09/16/11 11:13 | 1 |
| Nitrate as N | 0.69 | | 0.050 | 0.011 | mg/L | | | 09/10/11 16:50 | 1 |
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 09/10/11 16:21 | 1 |
| Chemical Oxygen Demand | 8.0 | J | 10.0 | 5.0 | mg/L | | | 09/13/11 12:15 | 1 |
| Phenolics, Total Recoverable | 6.5 | J | 10.0 | 5.0 | ug/L | | 09/12/11 18:38 | 09/13/11 09:50 | 1 |
| Chromium, hexavalent | 9.0 | J | 10.0 | 5.0 | ug/L | | | 09/10/11 16:43 | 1 |
| Total Dissolved Solids | 531 | | 10.0 | 4.0 | mg/L | | | 09/13/11 22:37 | 1 |
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 09/10/11 10:42 | 1 |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
| pH | 7.95 | | 0.100 | 0.100 | SU | | | 09/10/11 19:46 | 1 |
| Total Suspended Solids | 22.8 | | 4.0 | 4.0 | mg/L | | | 09/12/11 22:33 | 1 |
| Oxygen, Dissolved | 6.6 | H | 0.050 | 0.050 | mg/L | | | 09/10/11 19:48 | 1 |

Client Sample ID: trip blank

Date Collected: 09/10/11 00:00

Date Received: 09/10/11 10:07

Lab Sample ID: 480-9607-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 09/13/11 19:30 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 09/13/11 19:30 | 1 |
| Surrogate | % Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 84 | | 72 - 130 | | | | | 09/13/11 19:30 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 69 - 121 | | | | | 09/13/11 19:30 | 1 |

Client Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Client Sample ID: trip blank

Date Collected: 09/10/11 00:00

Date Received: 09/10/11 10:07

Lab Sample ID: 480-9607-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

| Surrogate | % Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------|------------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 110 | | 70 - 123 | | 09/13/11 19:30 | 1 |

Surrogate Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|-----------------|--------------------|--|-----------------|-----------------|
| | | 12DCE (72-130) | BFB (69-121) | TOL (70-123) |
| 480-9607-1 | AP-EWE-01 | 76 | 88 | 112 |
| 480-9607-2 | trip blank | 84 | 89 | 110 |
| LCS 480-30957/4 | Lab Control Sample | 111 | 93 | 109 |
| MB 480-30957/5 | Method Blank | 113 | 96 | 107 |

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-30957/5

Matrix: Water

Analysis Batch: 30957

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|-----------------|----------|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | ND | | 5.0 | 0.59 | ug/L | | | 09/13/11 11:39 | 1 |
| Trichloroethene | ND | | 5.0 | 0.60 | ug/L | | | 09/13/11 11:39 | 1 |
| Surrogate | MB % Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | 72 - 130 | | | | | 09/13/11 11:39 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 69 - 121 | | | | | 09/13/11 11:39 | 1 |
| Toluene-d8 (Surr) | 107 | | 70 - 123 | | | | | 09/13/11 11:39 | 1 |

Lab Sample ID: LCS 480-30957/4

Matrix: Water

Analysis Batch: 30957

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|-------------------|------------------|------------------|------|---|-------|------------------|
| 1,1-Dichloroethane | 20.0 | 19.2 | | ug/L | | 96 | 73 - 128 |
| Trichloroethene | 20.0 | 19.1 | | ug/L | | 96 | 67 - 134 |
| Surrogate | LCS % Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 72 - 130 | | | | |
| 4-Bromofluorobenzene (Surr) | 93 | | 69 - 121 | | | | |
| Toluene-d8 (Surr) | 109 | | 70 - 123 | | | | |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-30907/1-A

Matrix: Water

Analysis Batch: 31166

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30907

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|------|------|---|----------------|----------------|---------|
| Barium | ND | | 2.0 | 0.50 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |
| Chromium | ND | | 4.0 | 0.87 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |
| Copper | ND | | 10.0 | 1.5 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |
| Iron | ND | | 50.0 | 19.3 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |
| Nickel | ND | | 10.0 | 1.3 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |
| Zinc | ND | | 10.0 | 1.7 | ug/L | | 09/13/11 08:10 | 09/13/11 15:04 | 1 |

Lab Sample ID: LCS 480-30907/2-A

Matrix: Water

Analysis Batch: 31166

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30907

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------|----------------|---------------|------------------|------|---|-------|------------------|
| Barium | 200 | 204.8 | | ug/L | | 102 | 85 - 115 |
| Chromium | 200 | 204.1 | | ug/L | | 102 | 85 - 115 |
| Copper | 200 | 206.4 | | ug/L | | 103 | 85 - 115 |
| Iron | 10000 | 10180 | | ug/L | | 102 | 85 - 115 |
| Nickel | 200 | 203.1 | | ug/L | | 102 | 85 - 115 |
| Zinc | 200 | 200.4 | | ug/L | | 100 | 85 - 115 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 480-30915/1-A

Matrix: Water

Analysis Batch: 31205

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30915

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|--------|------|---|----------------|----------------|---------|
| Selenium | ND | | 1.0 | 0.44 | ug/L | | 09/13/11 08:30 | 09/13/11 19:00 | 1 |
| Thallium | ND | | 0.20 | 0.0080 | ug/L | | 09/13/11 08:30 | 09/13/11 19:00 | 1 |

Lab Sample ID: LCS 480-30915/2-A

Matrix: Water

Analysis Batch: 31205

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30915

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------|----------------|---------------|------------------|------|---|-------|------------------|
| Selenium | 20.0 | 20.16 | | ug/L | | 101 | 85 - 115 |
| Thallium | 20.0 | 19.39 | | ug/L | | 97 | 85 - 115 |

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-31264/3

Matrix: Water

Analysis Batch: 31264

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|--------|-----------|---|----------|----------------|---------|
| Ammonia as N | ND | | 0.020 | 0.0090 | mg/L as N | | | 09/14/11 13:03 | 1 |

Lab Sample ID: LCS 480-31264/4

Matrix: Water

Analysis Batch: 31264

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|----------------|---------------|------------------|-----------|---|-------|------------------|
| Ammonia as N | 1.00 | 0.953 | | mg/L as N | | 95 | 90 - 110 |

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-31477/1-A

Matrix: Water

Analysis Batch: 31628

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31477

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------------|-----------------|------|------|-----------|---|----------------|----------------|---------|
| Total Kjeldahl Nitrogen | ND | | 0.20 | 0.15 | mg/L as N | | 09/15/11 09:30 | 09/16/11 09:58 | 1 |

Lab Sample ID: LCS 480-31477/2-A

Matrix: Water

Analysis Batch: 31628

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31477

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|-------------------------|----------------|---------------|------------------|-----------|---|-------|------------------|
| Total Kjeldahl Nitrogen | 2.50 | 2.35 | | mg/L as N | | 94 | 90 - 110 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-30742/3

Matrix: Water

Analysis Batch: 30742

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------------|-----------------|-------|-------|------|---|----------|----------------|---------|
| Nitrite as N | ND | | 0.050 | 0.020 | mg/L | | | 09/10/11 16:19 | 1 |

Lab Sample ID: LCS 480-30742/4

Matrix: Water

Analysis Batch: 30742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|--------------|----------------|---------------|------------------|------|---|-------|------------------|
| Nitrite as N | 1.50 | 1.41 | | mg/L | | 94 | 90 - 110 |

Method: 410.4 - COD

Lab Sample ID: MB 480-31115/51

Matrix: Water

Analysis Batch: 31115

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------------|-----------------|------|-----|------|---|----------|----------------|---------|
| Chemical Oxygen Demand | ND | | 10.0 | 5.0 | mg/L | | | 09/13/11 12:15 | 1 |

Lab Sample ID: LCS 480-31115/52

Matrix: Water

Analysis Batch: 31115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Chemical Oxygen Demand | 25.0 | 23.77 | | mg/L | | 95 | 90 - 110 |

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-30939/1-A

Matrix: Water

Analysis Batch: 31022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30939

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|-----------------|------|-----|------|---|----------------|----------------|---------|
| Phenolics, Total Recoverable | ND | | 10.0 | 5.0 | ug/L | | 09/12/11 17:55 | 09/13/11 07:23 | 1 |

Lab Sample ID: LCS 480-30939/2-A

Matrix: Water

Analysis Batch: 31022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30939

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Phenolics, Total Recoverable | 100 | 107.8 | | ug/L | | 108 | 90 - 110 |

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-30748/3

Matrix: Water

Analysis Batch: 30748

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|-----------------|------|-----|------|---|----------|----------------|---------|
| Chromium, hexavalent | ND | | 10.0 | 5.0 | ug/L | | | 09/10/11 16:42 | 1 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 480-30748/4

Matrix: Water

Analysis Batch: 30748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|-------|---------------|
| Chromium, hexavalent | 50.0 | 56.00 | | ug/L | | 112 | 85 - 115 |

Lab Sample ID: 480-9607-1 MS

Matrix: Water

Analysis Batch: 30748

Client Sample ID: AP-EWE-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | % Rec. Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|-------|---------------|
| Chromium, hexavalent | 9.0 | J | 50.0 | 58.00 | | ug/L | | 98 | 85 - 115 |

Lab Sample ID: 480-9607-1 DU

Matrix: Water

Analysis Batch: 30748

Client Sample ID: AP-EWE-01

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|----------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Chromium, hexavalent | 9.0 | J | 7.00 | J | ug/L | | 25 | 15 |

Method: 9040B - pH

Lab Sample ID: LCS 480-30877/1

Matrix: Water

Analysis Batch: 30877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------|-------------|------------|---------------|------|---|-------|---------------|
| pH | 7.00 | 7.030 | | SU | | 100 | 99 - 101 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-31116/1

Matrix: Water

Analysis Batch: 31116

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | ND | | 10.0 | 4.0 | mg/L | | | 09/13/11 22:30 | 1 |

Lab Sample ID: LCS 480-31116/2

Matrix: Water

Analysis Batch: 31116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|-------|---------------|
| Total Dissolved Solids | 501 | 486.0 | | mg/L | | 97 | 85 - 115 |

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-30902/1

Matrix: Water

Analysis Batch: 30902

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 09/12/11 22:18 | 1 |

QC Sample Results

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 480-30902/2

Matrix: Water

Analysis Batch: 30902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Total Suspended Solids | 232 | 230.8 | | mg/L | | 99 | 88 - 110 |

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-30859/1 USB

Matrix: Water

Analysis Batch: 30859

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|---------------|------------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 09/10/11 10:42 | 1 |

Lab Sample ID: LCS 480-30859/2

Matrix: Water

Analysis Batch: 30859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec. Limits |
|---------------------------|----------------|---------------|------------------|------|---|-------|------------------|
| Biochemical Oxygen Demand | 198 | 169.6 | | mg/L | | 86 | 85 - 115 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

GC/MS VOA

Analysis Batch: 30957

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 624 | |
| 480-9607-2 | trip blank | Total/NA | Water | 624 | |
| LCS 480-30957/4 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 480-30957/5 | Method Blank | Total/NA | Water | 624 | |

Metals

Prep Batch: 30907

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 200.7 | |
| LCS 480-30907/2-A | Lab Control Sample | Total/NA | Water | 200.7 | |
| MB 480-30907/1-A | Method Blank | Total/NA | Water | 200.7 | |

Prep Batch: 30915

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 200.8 | |
| LCS 480-30915/2-A | Lab Control Sample | Total/NA | Water | 200.8 | |
| MB 480-30915/1-A | Method Blank | Total/NA | Water | 200.8 | |

Analysis Batch: 31166

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 200.7 Rev 4.4 | 30907 |
| LCS 480-30907/2-A | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | 30907 |
| MB 480-30907/1-A | Method Blank | Total/NA | Water | 200.7 Rev 4.4 | 30907 |

Analysis Batch: 31205

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 200.8 | 30915 |
| LCS 480-30915/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 30915 |
| MB 480-30915/1-A | Method Blank | Total/NA | Water | 200.8 | 30915 |

General Chemistry

Analysis Batch: 30742

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 353.2 | |
| LCS 480-30742/4 | Lab Control Sample | Total/NA | Water | 353.2 | |
| MB 480-30742/3 | Method Blank | Total/NA | Water | 353.2 | |

Analysis Batch: 30748

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 7196A | |
| 480-9607-1 DU | AP-EWE-01 | Total/NA | Water | 7196A | |
| 480-9607-1 MS | AP-EWE-01 | Total/NA | Water | 7196A | |
| LCS 480-30748/4 | Lab Control Sample | Total/NA | Water | 7196A | |
| MB 480-30748/3 | Method Blank | Total/NA | Water | 7196A | |

Analysis Batch: 30859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|----------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | SM 5210B | |
| LCS 480-30859/2 | Lab Control Sample | Total/NA | Water | SM 5210B | |
| USB 480-30859/1 USB | Method Blank | Total/NA | Water | SM 5210B | |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

General Chemistry (Continued)

Analysis Batch: 30863

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | SM 4500 O G | |

Analysis Batch: 30877

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 9040B | |
| LCS 480-30877/1 | Lab Control Sample | Total/NA | Water | 9040B | |

Analysis Batch: 30902

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | SM 2540D | |
| LCS 480-30902/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |
| MB 480-30902/1 | Method Blank | Total/NA | Water | SM 2540D | |

Prep Batch: 30939

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | Distill/Phenol | |
| LCS 480-30939/2-A | Lab Control Sample | Total/NA | Water | Distill/Phenol | |
| MB 480-30939/1-A | Method Blank | Total/NA | Water | Distill/Phenol | |

Analysis Batch: 31022

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 420.4 | 30939 |
| LCS 480-30939/2-A | Lab Control Sample | Total/NA | Water | 420.4 | 30939 |
| MB 480-30939/1-A | Method Blank | Total/NA | Water | 420.4 | 30939 |

Analysis Batch: 31115

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 410.4 | |
| LCS 480-31115/52 | Lab Control Sample | Total/NA | Water | 410.4 | |
| MB 480-31115/51 | Method Blank | Total/NA | Water | 410.4 | |

Analysis Batch: 31116

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|----------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | SM 2540C | |
| LCS 480-31116/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| MB 480-31116/1 | Method Blank | Total/NA | Water | SM 2540C | |

Analysis Batch: 31264

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 350.1 | |
| LCS 480-31264/4 | Lab Control Sample | Total/NA | Water | 350.1 | |
| MB 480-31264/3 | Method Blank | Total/NA | Water | 350.1 | |

Prep Batch: 31477

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 351.2 | |
| LCS 480-31477/2-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| MB 480-31477/1-A | Method Blank | Total/NA | Water | 351.2 | |

Analysis Batch: 31628

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 351.2 | 31477 |

QC Association Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

General Chemistry (Continued)

Analysis Batch: 31628 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-31477/2-A | Lab Control Sample | Total/NA | Water | 351.2 | 31477 |
| MB 480-31477/1-A | Method Blank | Total/NA | Water | 351.2 | 31477 |

Analysis Batch: 31962

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-9607-1 | AP-EWE-01 | Total/NA | Water | 353.2 | |

Lab Chronicle

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

Client Sample ID: AP-EWE-01

Date Collected: 09/10/11 09:20

Date Received: 09/10/11 10:07

Lab Sample ID: 480-9607-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 30957 | 09/13/11 19:04 | TRB | TAL BUF |
| Total/NA | Prep | 200.7 | | | 30907 | 09/13/11 08:10 | JM | TAL BUF |
| Total/NA | Analysis | 200.7 Rev 4.4 | | 1 | 31166 | 09/13/11 15:37 | LH | TAL BUF |
| Total/NA | Prep | 200.8 | | | 30915 | 09/13/11 08:30 | JM | TAL BUF |
| Total/NA | Analysis | 200.8 | | 1 | 31205 | 09/13/11 20:21 | JRK | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 30742 | 09/10/11 16:21 | JR | TAL BUF |
| Total/NA | Analysis | 7196A | | 1 | 30748 | 09/10/11 16:43 | KS | TAL BUF |
| Total/NA | Analysis | SM 5210B | | 1 | 30859 | 09/10/11 10:42 | AP | TAL BUF |
| Total/NA | Analysis | SM 4500 O G | | 1 | 30863 | 09/10/11 19:48 | AP | TAL BUF |
| Total/NA | Analysis | 9040B | | 1 | 30877 | 09/10/11 19:46 | ES | TAL BUF |
| Total/NA | Analysis | SM 2540D | | 1 | 30902 | 09/12/11 22:33 | KS | TAL BUF |
| Total/NA | Prep | Distill/Phenol | | | 30939 | 09/12/11 18:38 | KS | TAL BUF |
| Total/NA | Analysis | 420.4 | | 1 | 31022 | 09/13/11 09:50 | PN | TAL BUF |
| Total/NA | Analysis | 410.4 | | 1 | 31115 | 09/13/11 12:15 | JS | TAL BUF |
| Total/NA | Analysis | SM 2540C | | 1 | 31116 | 09/13/11 22:37 | KS | TAL BUF |
| Total/NA | Analysis | 350.1 | | 1 | 31264 | 09/14/11 13:32 | KS | TAL BUF |
| Total/NA | Prep | 351.2 | | | 31477 | 09/15/11 09:30 | PN | TAL BUF |
| Total/NA | Analysis | 351.2 | | 1 | 31628 | 09/16/11 11:13 | JS | TAL BUF |
| Total/NA | Analysis | 353.2 | | 1 | 31962 | 09/10/11 16:50 | JR | TAL BUF |

Client Sample ID: trip blank

Date Collected: 09/10/11 00:00

Date Received: 09/10/11 10:07

Lab Sample ID: 480-9607-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared Or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 30957 | 09/13/11 19:30 | TRB | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|---------------------|---------------|--------------------|------------|------------------|
| TestAmerica Buffalo | Arkansas | State Program | 6 | 88-0686 |
| TestAmerica Buffalo | California | NELAC | 9 | 1169CA |
| TestAmerica Buffalo | Connecticut | State Program | 1 | PH-0568 |
| TestAmerica Buffalo | Florida | NELAC | 4 | E87672 |
| TestAmerica Buffalo | Georgia | Georgia EPD | 4 | N/A |
| TestAmerica Buffalo | Georgia | State Program | 4 | 956 |
| TestAmerica Buffalo | Illinois | NELAC | 5 | 100325 / 200003 |
| TestAmerica Buffalo | Iowa | State Program | 7 | 374 |
| TestAmerica Buffalo | Kansas | NELAC | 7 | E-10187 |
| TestAmerica Buffalo | Kentucky | Kentucky UST | 4 | 30 |
| TestAmerica Buffalo | Kentucky | State Program | 4 | 90029 |
| TestAmerica Buffalo | Louisiana | NELAC | 6 | 02031 |
| TestAmerica Buffalo | Maine | State Program | 1 | NY0044 |
| TestAmerica Buffalo | Maryland | State Program | 3 | 294 |
| TestAmerica Buffalo | Massachusetts | State Program | 1 | M-NY044 |
| TestAmerica Buffalo | Michigan | State Program | 5 | 9937 |
| TestAmerica Buffalo | Minnesota | NELAC | 5 | 036-999-337 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 68-00281 |
| TestAmerica Buffalo | New Hampshire | NELAC | 1 | 2337 |
| TestAmerica Buffalo | New Jersey | NELAC | 2 | NY455 |
| TestAmerica Buffalo | New York | NELAC | 2 | 10026 |
| TestAmerica Buffalo | North Dakota | State Program | 8 | R-176 |
| TestAmerica Buffalo | Oklahoma | State Program | 6 | 9421 |
| TestAmerica Buffalo | Oregon | NELAC | 10 | NY200003 |
| TestAmerica Buffalo | Pennsylvania | NELAC | 3 | 68-00281 |
| TestAmerica Buffalo | Tennessee | State Program | 4 | TN02970 |
| TestAmerica Buffalo | Texas | NELAC | 6 | T104704412-08-TX |
| TestAmerica Buffalo | USDA | USDA | | P330-08-00242 |
| TestAmerica Buffalo | Virginia | NELAC Secondary AB | 3 | 460185 |
| TestAmerica Buffalo | Virginia | State Program | 3 | 278 |
| TestAmerica Buffalo | Washington | State Program | 10 | C1677 |
| TestAmerica Buffalo | West Virginia | West Virginia DEP | 3 | 252 |
| TestAmerica Buffalo | Wisconsin | State Program | 5 | 998310390 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

| Method | Method Description | Protocol | Laboratory |
|---------------|------------------------------------|-----------|------------|
| 624 | Volatile Organic Compounds (GC/MS) | 40CFR136A | TAL BUF |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | TAL BUF |
| 200.8 | Metals (ICP/MS) | EPA | TAL BUF |
| 350.1 | Nitrogen, Ammonia | MCAWW | TAL BUF |
| 351.2 | Nitrogen, Total Kjeldahl | MCAWW | TAL BUF |
| 353.2 | Nitrogen, Nitrite | MCAWW | TAL BUF |
| 353.2 | Nitrate | EPA | TAL BUF |
| 410.4 | COD | MCAWW | TAL BUF |
| 420.4 | Phenolics, Total Recoverable | MCAWW | TAL BUF |
| 7196A | Chromium, Hexavalent | SW846 | TAL BUF |
| 9040B | pH | SW846 | TAL BUF |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | TAL BUF |
| SM 2540D | Solids, Total Suspended (TSS) | SM | TAL BUF |
| SM 4500 O G | Oxygen, Dissolved | SM | TAL BUF |
| SM 5210B | BOD, 5-Day | SM | TAL BUF |

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Greenstar Environmental Solutions, LLC
Project/Site: Greenstar Environmental Solutions, LLC

TestAmerica Job ID: 480-9607-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-9607-1 | AP-EWE-01 | Water | 09/10/11 09:20 | 09/10/11 10:07 |
| 480-9607-2 | trip blank | Water | 09/10/11 00:00 | 09/10/11 10:07 |

Login Sample Receipt Checklist

Client: Greenstar Environmental Solutions, LLC

Job Number: 480-9607-1

Login Number: 9607

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

| Question | Answer | Comment |
|--|--------|-----------------------------|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | Not in contact with samples |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | False | |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | N/A | |

Attachment G

Monthly Operation and Maintenance Details January – December 2011

1. INTRODUCTION

This report presents a summary of the ongoing operation and maintenance activities for the Airco Parcel, Niagara Falls, New York, from 1 January to 31 December 2011. It includes a summary of ongoing operations, system repairs, corrective actions, improvements, and an evaluation of the groundwater collection and treatment system (GCTS) performance.

2. ROUTINE OPERATION AND MAINTENANCE

Comparing the discharge flow rates to the discharge value, the system exceeded the 36,000 gallons per day (gpd) total flow on 27 and 28 December 2011. The system flow rates were adjusted to lower the flow rate to within the specified range. During this report period, the overall system average flow rate was 16.2 gallons per minute (gpm).

Table 2 of the Annual Monitoring Event Letter Report provides a summary of the quarterly effluent analytical data from the February, June, September and October 2011 quarterly GCTS discharge sampling events. Routine operation and maintenance was completed throughout the monitoring period. Field tasks included system checks, data collection, and field analysis of treatment water at various stages of the treatment process, transducer cleanings, and general site maintenance.

3. SYSTEM OPERATIONS AND EFFICIENCY

During this monitoring period, 8,534,220 gal of groundwater were treated and discharged to the stormwater swale adjacent to the engineered wetlands. The system average flow rate was 16.2 gpm during the reporting period. The treatment system was operational for 99.94 percent of the reporting period. The emergency overflow pond (T8) was utilized while the tank and line cleaning was performed during the reporting period, and during response to alarm conditions. The system was temporarily shut off and the T-8 emergency overflow pond utilized during the system cleaning and during the CO₂ tank system failure. No known releases to the environment occurred during the reporting period.

The completed System Monitoring Checklists are provided in Attachment G.1. Monthly GCTS flow calculations are provided in Attachment G.2. During the reporting period, an estimated 1.9 pounds (lb) of total chromium was treated by the GCTS, of which an estimated 1.5 lb was hexavalent chromium. These values are based on the total gallons treated and the average influent and effluent concentrations observed from the monthly field sampling.

3.1 SYNOPSIS OF THE BI-ANNUAL ACTIVITIES

January 2011

The system was operational for all 31 days in January. No alarm conditions were reported during the month of January. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during January:

- 24 January 2011 – Routine site visit. Cleaned and calibrated pH probes in T3B and T6B. Crossover pipes in T3A cleaned to remove calcium deposits. Southwest corner iced over and inaccessible for chromium field measurements. Gauged onsite wells with Mike Hinton from NYSDEC.

February 2011

The system was operational for all 28 days in February. No alarm conditions were reported during the month of February. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during February:

- 12 February 2011 – Routine site visit. Cleaned and calibrated pH probes in T3B and T6B. Crack repaired on suction line for P1-B. Installed shelves in T-1 shed. First quarter effluent sampling completed during visit.

March 2011

The system was operational for all 31 days in March. No alarm conditions were reported during the month of March. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during March:

- 16 March 2011 – Routine site visit. Clean and calibrated all pH probes. Replaced P-6B pump with a rebuilt pump. Tightened camera pole at T-1. First quarter engineers inspection completed during visit.

April 2011

The system was operational for all 30 days in April. No alarm conditions were reported during the month of April. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during April:

- 4 April 2011 – Routine site visit. Cleaned and calibrated all pH probes. Acid injection performed at leachate collection system. Observed the fence on the North side of the property needs repair, clips have come undone. Vault closest to T-1 was hit by snow plow, straightened as well as possible.

May 2011

The system was operational for all 31 days in May. No alarm conditions were reported during the month of May. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during May:

- 16 May 2011 – Routine site visit. Cleaned and calibrated all pH probes. T3A crossover pipes cleaned to remove calcium deposits. Damaged fence on North side of property repaired. Calcium buildup on the end of T3A inlet pipe cleared. Sprayed herbicide around treatment system tanks to reduce weed growth.

June 2011

The system was operational for all 30 days in June. No alarm conditions were reported during the month of June. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during June:

- 16 June 2011 – Routine site visit. Cleaned and calibrated all pH probes. Clean pressure transducer in T8. Vegetation around T7 too long to cut with push mower. Quarterly sampling and Engineers inspection completed during site visit.

July 2011

The system was operational for all 31 days in July. No alarm conditions were reported during the month of July. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during July:

- 8 July 2010 – Routine site visit. Cleaned and calibrated all pH probes.

August 2011

The system was operational for all 31 days in August. No alarm conditions were reported during the month of August. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during August:

- 1 August 2011 – Routine site visit. Clean and calibrate all pH probes.

September 2011

The system was operational for all 30 days in September. No alarm conditions were reported during the month of September. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during September:

- 9 September 2011 – Routine site visit. Clean and calibrate all pH probes. Generator shut down while being repaired. Engineers inspection completed during site visit.

October 2011

The system was operational for 31 days in October. One alarm condition was reported during the month of October. A T7 low and high level condition occurred due to the pressure transmitter shorting out. Mobilization to the site was combined with a routine site visit. No scheduled or unscheduled shut downs. Leachate pumped into the T8 overflow pond during system cleaning. The following details the activities which were performed during October:

- 19 October 2011 – Routine site visit combined with system cleaning and Annual Groundwater Sampling Event. Cleaned and calibrated all pH probes. T3A tanks cleaned. Acid injecting into the leachate collection trench. P6B was determined to be failing and was replaced and sent out to be rebuilt. Replaced pressure transmitters in T7 and T8, which were damaged due the inundation of junction box. Junction box raised to avoid future water damaged. Cracked CO₂ diffuser in first tank of T3A replaced. Repairs made to bad PLC computer. Groundwater samples collected at MW-01B through MW-08B SS-01, SS-02 and SS-03 as part of annual and bi-annual sampling events. Drilling for extraction well initiated as part of the pilot study.

November 2011

The system was operational for 30 days in November. One alarm condition was reported during the month of November. A T6B high level alarm condition was reported. Mobilization to the site was combined with a routine site visit. No scheduled or unscheduled shut downs or system bypasses occurred. The following details the activities which were performed during November:

- 12 November 2011 – Routine site visit. Cleaned and calibrated all pH probes. Cleared organic obstructions from T7 outlet pipe. Field testing indicated elevated chromium concentrations in sample collected at SW corner, Laboratory closed, unable to get confirmatory samples analyzed.

December 2011

The system was operational for 31 days in December. No alarm conditions were reported during the month of December. No scheduled or unscheduled shut downs. Leachate pumped to the T8 pond while replacing P3B pump. The following details the activities which were performed during December:

- 2 December 2011 – Mobilization for emergency response to P3B pump. Pump rate at P3B decreased. Pump replaced with new pump. Monthly inspection performed while onsite. Cleaned and calibrated all pH probes. Replaced check valve in T6B. Elevated concentrations of chromium indicated in field testing of water sample from SW corner. Confirmatory samples sent to laboratory; and results came back nondetect for hex chrome.
- 5 December 2011 – Environmental contractor mobilized for pilot study upgrades. Submersible pump installed in extraction well, new PLC installed at extraction well, effluent line from extraction well tied into the treatment system.

4. MODIFICATIONS/IMPROVEMENTS AND RECOMMENDATIONS

4.1 SYSTEM MODIFICATION/IMPROVEMENTS

In December 2011, modifications to the GCTS outlined in a Proposal for Data Collection for Alternate Remedial Strategy dated 11 October 2011 were completed. As part of the proposal, one extraction well was installed through the landfill into weathered bedrock and fitted with a 4-in. diameter variable speed submersible pump capable of yielding at least 10 gpm. This installation is part of a pilot study to evaluate whether dewatering the upper portion of bedrock can prevent leachate generation. The extraction well was installed through the low permeability cap and geosynthetic liner which was repaired and sealed after the installation was complete to prevent precipitation from entering the waste above. The discharge line for extraction well EW-1 was connected to the existing piping network for groundwater to be pumped to the GCTS. To allow this pump to run throughout the year the new extraction well was tied into the existing control system. Permanent piping, wiring and pump controls were run to the EW-1 location.

Electrical wiring was run in the existing buried conduits that supply power to the T-1 shed. Power for the submersible pump was run from the T-1 shed to a new NEMA 3R control panel that was mounted on the exterior of a small (3 ft by 3 ft) concrete vault. The vault was installed to cover the well head to permit winter operation. A control panel was constructed to contain a Modicon PLC which is linked to the existing Modicon control system via an Ethernet radio, consistent with the existing radio network utilized at the site. A variable frequency drive (VFD) used to control the pump was mounted in the wellhead control panel, along with a small heater to keep control systems at operating temperature during the winter. The VFD will be used in conjunction with a pressure transducer placed in EW-1 to maintain a constant head drawdown within the well. A connection was made in the existing line running from the T1 shed to the T3 settling tanks to convey the extracted water from EW-1 to the treatment system, and the line was re-buried. The 2-in. line from the new extraction well was connected to the 3-inch force main prior to it entering the T-8 valve control shed.

The following site maintenance activities were performed to address deficiencies noted during the engineering inspections:

- The stick-up casings of piezometers installed as part of the pilot study were painted with safety blue paint and reflective markers added.
- Stored flocculent at the site is no longer needed, and was properly disposed.
- Area around T-7 reseeded, and vegetation established.
- Dam built around T-7 pipe of course gravel, to prevent organic matter from clogging outfall pipe.
- Mowing of landfill cap completed.

5. PROJECTED OPERATION AND MAINTENANCE

5.1 JANUARY – DECEMBER 2012

During the 2012 annual reporting period, Greenstar anticipates performing routine operation and maintenance activities. Routine activities during the reporting period will include routine cleaning and calibration, pump replacements, and other activities as required. Emergency response to alarm conditions will be responded to as required.

6. SYSTEM MONITORING

6.1 ENVIRONMENTAL SAMPLING

Routine system sampling with field analysis will continue on an as needed basis to ensure chromium removal efficiency is maintained and no short circuiting is occurring in the zero valence iron beds. Quarterly discharge samples are anticipated to be collected in March, June, September, and December 2012 from the GCTS to monitor the NYSDEC discharge permit guidelines. The annual groundwater monitoring event is anticipated to occur in September 2012. Monthly effluent samples from the EW-1 will be collected as part of the data collection required to evaluate potential remediation alternatives for the site.

Attachment G.1

Airco Parcel Monthly System Monitoring Checklists January – December 2011

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 1/24/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Overcast 10 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 235 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 5,900 | Carbon Dioxide Tank Liquid Level | |
| 3.4 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.4 | T3B pH Reading | |
| 613.3 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.5 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.1 | T6A Water Elevation | |
| 6.5 | T6B pH | |
| 613.8 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.5 | T7 Water Level Reading | |
| 6.6 | T7 pH | |
| 3.5 | T8 Water Elevation | |
| 31,403,154 | Flow Meter Reading | |
| 18.2 | Average System Flow | |
| 35.9 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.001 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.125 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| ND | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.012 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| ND | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.018 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| N/A | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| N/A | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.16 | | Calcium Settling Pond Effluent (T3) |
| 6.40 | | Iron Settling Pond Effluent (T6) |
| 6.54 | | Engineered Wetland Effluent (T7) |
| N/A | | Southwest Corner Effluent (SS-1) |
| Notes: Clean and calibrated all pH probes. Cleaned crossover pipes in T-3A. SW Corner inaccessible to sample. Gauged wells in surrounding area with Mike Hinton. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 2/12/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 30 Degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 235 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 8,100 | Carbon Dioxide Tank Liquid Level | |
| 2.8 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.3 | T3B pH Reading | |
| 613.6 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 611.0 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.5 | T6B pH | |
| 613.0 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.6 | T7 Water Level Reading | |
| 6.6 | T7 pH | |
| 3.3 | T8 Water Elevation | |
| 31,915,704 | Flow Meter Reading | |
| 17.1 | Average System Flow | |
| 36.4 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.029 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.018 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.008 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.061 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| ND | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.042 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.066 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.012 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.32 | | Calcium Settling Pond Effluent (T3) |
| 6.45 | | Iron Settling Pond Effluent (T6) |
| 6.54 | | Engineered Wetland Effluent (T7) |
| 6.98 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated all pH probes. Repaired cracked suction line on P-1B. Installed shelves in T-1. Completed quarterly discharge sampling at SW corner. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 3/16/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 40 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 234 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 7,000 | Carbon Dioxide Tank Liquid Level | |
| 3.2 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.2 | T3B pH Reading | |
| 614.3 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.3 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.1 | T6A Water Elevation | |
| 6.3 | T6B pH | |
| 614.1 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.5 | T7 Water Level Reading | |
| 6.6 | T7 pH | |
| 2.0 | T8 Water Elevation | |
| 32,552,542 | Flow Meter Reading | |
| 18.7 | Average System Flow | |
| 37.2 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.075 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.084 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.021 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.001 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| ND | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.001 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.010 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.019 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.23 | | Calcium Settling Pond Effluent (T3) |
| 6.33 | | Iron Settling Pond Effluent (T6) |
| 6.75 | | Engineered Wetland Effluent (T7) |
| 7.55 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated all pH probes. Completed Q1 engineering inspections. Replace P-6B pump with a rebuilt pump. Cleaned T-1 shed to remove dead mice and associated stench. Tightened camera pole at T-1. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|--|--|---|
| Date: 4/12/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 50 Degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 235 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 7800 | Carbon Dioxide Tank Liquid Level | |
| 2.8 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.3 | T3B pH Reading | |
| 613.4 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 611.4 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.5 | T6B pH | |
| 613.7 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.5 | T7 Water Level Reading | |
| 6.7 | T7 pH | |
| 1.9 | T8 Water Elevation | |
| 33,330,752 | Flow Meter Reading | |
| 18.6 | Average System Flow | |
| 38.1 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.029 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.164 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.073 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.004 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| ND | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.056 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.008 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.044 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.34 | | Calcium Settling Pond Effluent (T3) |
| 6.38 | | Iron Settling Pond Effluent (T6) |
| 6.77 | | Engineered Wetland Effluent (T7) |
| 6.96 | | Southwest Corner Effluent (SS-1) |
| Notes: Replace pH Probe in T-3B. Cleaned and calibrated remaining PH Probes. Fence to the North needs repair (clips came undone). Acid injected into leachate collection trench. Vault closest to T-1 was hit by snow plow, may be able to straighten. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|-------------------|---|
| Date: 5/16/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Rain 40 degrees | | |
| READING | | ITEM |
| 234 | | Carbon Dioxide Storage Tank Pressure (220-235 psi) |
| 11,200 | | Carbon Dioxide Tank Liquid Level |
| 3.2 | | T1 Water Level |
| AUTO/CYCLING | | Pump P1A Running Status ON/OFF |
| AUTO/CYCLING | | Pump P1BA Running Status ON/OFF |
| 616.2 | | T3A Water Elevation |
| 6.2 | | T3B pH Reading |
| 613.8 | | T3B Water Level |
| AUTO/CYCLING | | Pump 3B Operational Status ON/OFF |
| 611.8 | | T5 Water Level |
| AUTO/CYCLING | | Pump 5 Operational Status ON/OFF |
| 616.3 | | T6A Water Elevation |
| 6.3 | | T6B pH |
| 613.3 | | T6B Water Level |
| AUTO/CYCLING | | Pump 6B Operational Status ON/OFF |
| 615.5 | | T7 Water Level Reading |
| 6.6 | | T7 pH |
| 2.2 | | T8 Water Elevation |
| 34,267,796 | | Flow Meter Reading |
| 12.1 | | Average System Flow |
| 39.0 | | Generator Run Hours |
| READING | Standard | LOCATION/PARAMETER |
| 0.105 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.091 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.051 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.002 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| ND | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| ND | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.008 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.020 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| pH READING | | SAMPLE LOCATION |
| 6.20 | | Calcium Settling Pond Effluent (T3) |
| 6.31 | | Iron Settling Pond Effluent (T6) |
| 6.81 | | Engineered Wetland Effluent (T7) |
| 7.15 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated all pH probes. Clean T-3 crossover pipes. Fence to the North has been repaired. Cleared calcium buildup at T-3 inlet pipe. Sprayed Ground Clear around tanks to reduce weed growth. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 6/16/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 90 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 232 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 3,800 | Carbon Dioxide Tank Liquid Level | |
| 2.6 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.3 | T3B pH Reading | |
| 613.0 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.8 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.4 | T6B pH | |
| 614.3 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.6 | T7 Water Level Reading | |
| 6.3 | T7 pH | |
| 1.4 | T8 Water Elevation | |
| 35,122,635 | Flow Meter Reading | |
| 19.1 | Average System Flow | |
| 40.1 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.073 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.080 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| ND | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.004 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.002 | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.006 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.009 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.020 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.05 | | Calcium Settling Pond Effluent (T3) |
| 6.34 | | Iron Settling Pond Effluent (T6) |
| 6.56 | | Engineered Wetland Effluent (T7) |
| 6.82 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated all pH probes. Cleaned T-8 pressure transducer. Vegetation around T-7 to overgrown to cut with push mower. Biannual surface water sampling completed. Engineering inspection of landfill cap completed. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|--|--|---|
| Date: 8/1/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 80 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 229 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 6700 | Carbon Dioxide Tank Liquid Level | |
| 3.4 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.1 | T3A Water Elevation | |
| 6.2 | T3B pH Reading | |
| 613.5 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.9 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.5 | T6B pH | |
| 614.0 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.5 | T7 Water Level Reading | |
| 6.3 | T7 pH | |
| 1.0 | T8 Water Elevation | |
| 36,265,304 | Flow Meter Reading | |
| 15.8 | Average System Flow | |
| | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.007 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.017 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.008 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.032 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.002 | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.006 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.009 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.021 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.24 | | Calcium Settling Pond Effluent (T3) |
| 6.30 | | Iron Settling Pond Effluent (T6) |
| 6.39 | | Engineered Wetland Effluent (T7) |
| 7.27 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated all pH probes. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|--|--|---|
| Date: 9/11/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: Sun 80 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 231 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 4.100 | Carbon Dioxide Tank Liquid Level | |
| 3.2 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.1 | T3B pH Reading | |
| 614.1 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.9 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.5 | T6B pH | |
| 613.3 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 615.6 | T7 Water Level Reading | |
| 6.4 | T7 pH | |
| 1.3 | T8 Water Elevation | |
| 37,014,944 | Flow Meter Reading | |
| 8.9 | Average System Flow | |
| 42 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.091 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.100 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.082 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.079 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.001 | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.058 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.009 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.059 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.02 | | Calcium Settling Pond Effluent (T3) |
| 6.27 | | Iron Settling Pond Effluent (T6) |
| 6.77 | | Engineered Wetland Effluent (T7) |
| 7.27 | | Southwest Corner Effluent (SS-1) |
| Notes: Cleaned and calibrated pH probes. Painted new wells. Generator shut down while being repaired. Engineering Inspection of landfill cap completed. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 10/19/11 | Project No.: 1046 | Greenstar Personnel: Chip McLeod/Nate Maier |
| Weather: Cloudy, 50 degrees, windy | | |
| <i>READING</i> | <i>ITEM</i> | |
| 233 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 6,831 | Carbon Dioxide Tank Liquid Level | |
| 598.6 (Switched to Feet msl) | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.3 | T3A Water Elevation | |
| 6.4 | T3B pH Reading | |
| 612.8 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 613.4 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.2 | T6A Water Elevation | |
| 6.3 | T6B pH | |
| 613.7 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 616.0 | T7 Water Level Reading | |
| 6.7 | T7 pH | |
| 1.3 | T8 Water Elevation | |
| 37,544,016 | Flow Meter Reading | |
| 10 | Average System Flow | |
| 42 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.117 mg/l | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.092 mg/l | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.053 mg/l | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.041 mg/l | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.056 mg/l | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.072 mg/l | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.016 mg/l | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.078 mg/l | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.27 | | Calcium Settling Pond Effluent (T3) |
| 6.25 | | Iron Settling Pond Effluent (T6) |
| 6.52 | | Engineered Wetland Effluent (T7) |
| 6.90 | | Southwest Corner Effluent (SS-1) |
| Notes: System cleaning of tanks and lines. Acid injection of collection trench. Replaced P6 and sent out pump to be rebuilt. Replaced pressure transmitters in T7 and T8 and raised the junction box to avoid future water damage. Repairs to PLC and CO2 diffusers. Cleaned and Calibrated pH probes. Started drilling for EW for pump test. | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 11/12/11 | Project No.: 1046 | Greenstar Personnel: Bruce Vinal |
| Weather: | | |
| <i>READING</i> | <i>ITEM</i> | |
| 232 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 6,800 | Carbon Dioxide Tank Liquid Level | |
| 598.7 | T1 Water Level | |
| AUTO/CYCLING 55 gpm | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING 54 gpm | Pump P1BA Running Status ON/OFF | |
| 616.2 | T3A Water Elevation | |
| 6.6 | T3B pH Reading | |
| 613.2 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.4 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 616.3 | T6A Water Elevation | |
| 6.7 | T6B pH | |
| 613.4 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 616.0 | T7 Water Level Reading | |
| 6.8 | T7 pH | |
| 2.0 | T8 Water Elevation | |
| 38,010,860 | Flow Meter Reading | |
| 15.4 | Average System Flow | |
| 42.8 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.107 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.128 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.014 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.005 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.077 | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.064 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.118 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.064 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.34 | | Calcium Settling Pond Effluent (T3) |
| 6.56 | | Iron Settling Pond Effluent (T6) |
| 6.73 | | Engineered Wetland Effluent (T7) |
| 6.97 | | Southwest Corner Effluent (SS-1) |
| Notes: Winterized GCTS. Turn on heaters in sheds. Completed Q4 Engineering inspection of landfill cap. Cleaned and calibrated all pH probes. Cleared organic obstructions from T7 outlet pipe. High readings found in field tests, unable to analyze confirmatory samples, lab closed. Internet batteries charged at 14.3 volts | | |

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

| | | |
|---|--|---|
| Date: 12/2/11 | Project No.: 1047.001 | Greenstar Personnel: Nate Maier |
| Weather: Sleet, 34 degrees | | |
| <i>READING</i> | <i>ITEM</i> | |
| 232 | Carbon Dioxide Storage Tank Pressure (220-235 psi) | |
| 6418 | Carbon Dioxide Tank Liquid Level | |
| 598.8 | T1 Water Level | |
| AUTO/CYCLING | Pump P1A Running Status ON/OFF | |
| AUTO/CYCLING | Pump P1BA Running Status ON/OFF | |
| 616.3 | T3A Water Elevation | |
| 6.9 | T3B pH Reading | |
| 613.0 | T3B Water Level | |
| AUTO/CYCLING | Pump 3B Operational Status ON/OFF | |
| 612.8 | T5 Water Level | |
| AUTO/CYCLING | Pump 5 Operational Status ON/OFF | |
| 613.5 | T6A Water Elevation | |
| 6.1 | T6B pH | |
| 613.8 | T6B Water Level | |
| AUTO/CYCLING | Pump 6B Operational Status ON/OFF | |
| 616.8 | T7 Water Level Reading | |
| 6.9 | T7 pH | |
| 2.5 | T8 Water Elevation | |
| 38457140 | Flow Meter Reading | |
| 16 GPM | Average System Flow | |
| 43.0 | Generator Run Hours | |
| <i>READING</i> | <i>Standard</i> | <i>LOCATION/PARAMETER</i> |
| 0.131 | 0.011 mg/L | Calcium Settling Pond Effluent (T3) Hexavalent Chromium |
| 0.124 | 0.050 mg/L | Calcium Settling Pond Effluent (T3) Total Chromium |
| 0.058 | 0.011 mg/L | Iron Settling Pond Effluent (T6) Hexavalent Chromium |
| 0.039 | 0.050 mg/L | Iron Settling Pond Effluent (T6) Total Chromium |
| 0.040 | 0.011 mg/L | Engineered Wetland Effluent (T7) Hexavalent Chromium |
| 0.015 | 0.050 mg/L | Engineered Wetland Effluent (T7) Total Chromium |
| 0.165 | 0.011 mg/L | Southwest Corner Effluent (SS-1) Hexavalent Chromium |
| 0.052 | 0.050 mg/L | Southwest Corner Effluent (SS-1) Total Chromium |
| <i>pH READING</i> | | <i>SAMPLE LOCATION</i> |
| 6.63 | | Calcium Settling Pond Effluent (T3) |
| 6.16 | | Iron Settling Pond Effluent (T6) |
| 6.96 | | Engineered Wetland Effluent (T7) |
| 6.99 | | Southwest Corner Effluent (SS-1) |
| Notes: Mobilization for emergency response to T3B pump. Pump replaced. Clean and calibrated all pH probes. Replaced check valve in T6B. High readings found in chromium field testing for SW corner. Confirmatory samples came back nondetect from lab. | | |

Attachment G.2

Airco Parcel GCTS Monthly Flow Calculations January – December 2011

Monthly Flow Calculations January 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 1/1/2011 | 37 | 22.1 | 31,840 | 30,809,088 | 24 | 0 |
| 1/2/2011 | 36 | 18.0 | 25,970 | 30,835,058 | 24 | 0 |
| 1/3/2011 | 36 | 17.9 | 25,764 | 30,860,822 | 24 | 0 |
| 1/4/2011 | 36 | 18.1 | 26,024 | 30,886,846 | 24 | 0 |
| 1/5/2011 | 36 | 18.0 | 25,936 | 30,912,782 | 24 | 0 |
| 1/6/2011 | 36 | 18.1 | 26,044 | 30,938,826 | 24 | 0 |
| 1/7/2011 | 36 | 18.2 | 26,228 | 30,965,054 | 24 | 0 |
| 1/8/2011 | 36 | 18.0 | 25,962 | 30,991,016 | 24 | 0 |
| 1/9/2011 | 36 | 17.8 | 25,668 | 31,016,684 | 24 | 0 |
| 1/10/2011 | 36 | 17.7 | 25,542 | 31,042,226 | 24 | 0 |
| 1/11/2011 | 36 | 18.2 | 26,166 | 31,068,392 | 24 | 0 |
| 1/12/2011 | 36 | 18.4 | 26,554 | 31,094,946 | 24 | 0 |
| 1/13/2011 | 35 | 17.8 | 25,698 | 31,120,644 | 24 | 0 |
| 1/14/2011 | 35 | 18.1 | 25,996 | 31,146,640 | 24 | 0 |
| 1/15/2011 | 35 | 18.2 | 26,200 | 31,172,840 | 24 | 0 |
| 1/16/2011 | 35 | 18.2 | 26,170 | 31,199,010 | 24 | 0 |
| 1/17/2011 | 35 | 18.1 | 26,022 | 31,225,032 | 24 | 0 |
| 1/18/2011 | 35 | 18.7 | 26,858 | 31,251,890 | 24 | 0 |
| 1/19/2011 | 35 | 18.7 | 26,888 | 31,278,778 | 24 | 0 |
| 1/20/2011 | 35 | 18.7 | 26,860 | 31,305,638 | 24 | 0 |
| 1/21/2011 | 35 | 18.6 | 26,768 | 31,332,406 | 24 | 0 |
| 1/22/2011 | 35 | 18.4 | 26,460 | 31,358,866 | 24 | 0 |
| 1/23/2011 | 35 | 18.1 | 26,028 | 31,384,894 | 24 | 0 |
| 1/24/2011 | 35 | 18.9 | 27,212 | 31,412,106 | 24 | 0 |
| 1/25/2011 | 35 | 20.3 | 29,282 | 31,441,388 | 24 | 0 |
| 1/26/2011 | 35 | 19.9 | 28,644 | 31,470,032 | 24 | 0 |
| 1/27/2011 | 35 | 19.6 | 28,194 | 31,498,226 | 24 | 0 |
| 1/28/2011 | 35 | 19.5 | 28,094 | 31,526,320 | 24 | 0 |
| 1/29/2011 | 35 | 19.5 | 28,096 | 31,554,416 | 24 | 0 |
| 1/30/2011 | 35 | 19.9 | 28,688 | 31,583,104 | 24 | 0 |
| 1/31/2011 | 35 | 20.9 | 30,162 | 31,613,266 | 24 | 0 |
| | 37 | 18.7 | 836,018 | 31,613,266 | 31 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations February 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 2/1/2011 | 34 | 18.7 | 26,958 | 31,640,224 | 24 | 0 |
| 2/2/2011 | 34 | 18.8 | 27,050 | 31,667,274 | 24 | 0 |
| 2/3/2011 | 34 | 18.4 | 26,522 | 31,693,796 | 24 | 0 |
| 2/4/2011 | 34 | 18.4 | 26,518 | 31,720,314 | 24 | 0 |
| 2/5/2011 | 34 | 18.4 | 26,522 | 31,746,836 | 24 | 0 |
| 2/6/2011 | 34 | 17.9 | 25,840 | 31,772,676 | 24 | 0 |
| 2/7/2011 | 34 | 18.3 | 26,386 | 31,799,062 | 24 | 0 |
| 2/8/2011 | 34 | 18.2 | 26,228 | 31,825,290 | 24 | 0 |
| 2/9/2011 | 33 | 17.3 | 24,912 | 31,850,202 | 24 | 0 |
| 2/10/2011 | 33 | 17.2 | 24,808 | 31,875,010 | 24 | 0 |
| 2/11/2011 | 33 | 17.2 | 24,702 | 31,899,712 | 24 | 0 |
| 2/12/2011 | 33 | 17.1 | 24,568 | 31,924,280 | 24 | 0 |
| 2/13/2011 | 33 | 17.3 | 24,844 | 31,949,124 | 24 | 0 |
| 2/14/2011 | 34 | 19.8 | 28,462 | 31,977,586 | 24 | 0 |
| 2/15/2011 | 33 | 17.6 | 25,354 | 32,002,940 | 24 | 0 |
| 2/16/2011 | 33 | 17.1 | 24,666 | 32,027,606 | 24 | 0 |
| 2/17/2011 | 33 | 20.4 | 29,318 | 32,056,924 | 24 | 0 |
| 2/18/2011 | 33 | 21.0 | 30,258 | 32,087,182 | 24 | 0 |
| 2/19/2011 | 32 | 13.8 | 19,880 | 32,107,062 | 24 | 0 |
| 2/20/2011 | 32 | 13.4 | 19,258 | 32,126,320 | 24 | 0 |
| 2/21/2011 | 32 | 14.8 | 21,312 | 32,147,632 | 24 | 0 |
| 2/22/2011 | 32 | 15.2 | 21,940 | 32,169,572 | 24 | 0 |
| 2/23/2011 | 32 | 15.8 | 22,752 | 32,192,324 | 24 | 0 |
| 2/24/2011 | 32 | 15.7 | 22,546 | 32,214,870 | 24 | 0 |
| 2/25/2011 | 32 | 15.9 | 22,922 | 32,237,792 | 24 | 0 |
| 2/26/2011 | 32 | 16.0 | 22,988 | 32,260,780 | 24 | 0 |
| 2/27/2011 | 31 | 16.3 | 23,510 | 32,284,290 | 24 | 0 |
| 2/28/2011 | 32 | 21.4 | 30,836 | 32,315,126 | 24 | 0 |
| | 34 | 17.4 | 701,860 | 32,315,126 | 28 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations March 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 3/1/2011 | 32 | 9.4 | 13,596 | 32,328,722 | 24 | 0 |
| 3/2/2011 | 31 | 5.1 | 7,410 | 32,336,132 | 24 | 0 |
| 3/3/2011 | 31 | 1.6 | 2,256 | 32,338,388 | 24 | 0 |
| 3/4/2011 | 31 | 9.5 | 13,628 | 32,352,016 | 24 | 0 |
| 3/5/2011 | 31 | 21.8 | 31,388 | 32,383,404 | 24 | 0 |
| 3/6/2011 | 31 | 12.4 | 17,896 | 32,401,300 | 24 | 0 |
| 3/7/2011 | 31 | 9.9 | 14,226 | 32,415,526 | 24 | 0 |
| 3/8/2011 | 31 | 8.3 | 11,996 | 32,427,522 | 24 | 0 |
| 3/9/2011 | 31 | 8.7 | 12,538 | 32,440,060 | 24 | 0 |
| 3/10/2011 | 31 | 7.5 | 10,792 | 32,450,852 | 24 | 0 |
| 3/11/2011 | 31 | 3.5 | 5,022 | 32,455,874 | 24 | 0 |
| 3/12/2011 | 31 | 10.2 | 14,724 | 32,470,598 | 24 | 0 |
| 3/13/2011 | 31 | 16.9 | 24,392 | 32,494,990 | 24 | 0 |
| 3/14/2011 | 32 | 16.4 | 23,626 | 32,518,616 | 24 | 0 |
| 3/15/2011 | 39 | 17.0 | 24,450 | 32,543,066 | 24 | 0 |
| 3/16/2011 | 39 | 20.7 | 29,840 | 32,572,906 | 24 | 0 |
| 3/17/2011 | 39 | 21.5 | 30,948 | 32,603,854 | 24 | 0 |
| 3/18/2011 | 39 | 21.8 | 31,378 | 32,635,232 | 24 | 0 |
| 3/19/2011 | 39 | 21.0 | 30,202 | 32,665,434 | 24 | 0 |
| 3/20/2011 | 39 | 20.2 | 29,134 | 32,694,568 | 24 | 0 |
| 3/21/2011 | 39 | 20.5 | 29,542 | 32,724,110 | 24 | 0 |
| 3/22/2011 | 39 | 19.9 | 28,720 | 32,752,830 | 24 | 0 |
| 3/23/2011 | 39 | 19.9 | 28,620 | 32,781,450 | 24 | 0 |
| 3/24/2011 | 39 | 19.5 | 28,150 | 32,809,600 | 24 | 0 |
| 3/25/2011 | 39 | 19.7 | 28,372 | 32,837,972 | 24 | 0 |
| 3/26/2011 | 39 | 19.2 | 27,682 | 32,865,654 | 24 | 0 |
| 3/27/2011 | 39 | 19.5 | 28,138 | 32,893,792 | 24 | 0 |
| 3/28/2011 | 39 | 19.9 | 28,626 | 32,922,418 | 24 | 0 |
| 3/29/2011 | 39 | 19.5 | 28,080 | 32,950,498 | 24 | 0 |
| 3/30/2011 | 39 | 19.7 | 28,384 | 32,978,882 | 24 | 0 |
| 3/31/2011 | 39 | 19.7 | 28,300 | 33,007,182 | 24 | 0 |
| | 39 | 15.5 | 692,056 | 33,007,182 | 31 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations April 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 4/1/2011 | 39 | 19.7 | 28,416 | 33,035,598 | 24 | 0 |
| 4/2/2011 | 39 | 19.4 | 27,904 | 33,063,502 | 24 | 0 |
| 4/3/2011 | 39 | 19.6 | 28,268 | 33,091,770 | 24 | 0 |
| 4/4/2011 | 39 | 21.5 | 30,940 | 33,122,710 | 24 | 0 |
| 4/5/2011 | 39 | 19.7 | 28,298 | 33,151,008 | 24 | 0 |
| 4/6/2011 | 39 | 19.3 | 27,720 | 33,178,728 | 24 | 0 |
| 4/7/2011 | 39 | 19.6 | 28,240 | 33,206,968 | 24 | 0 |
| 4/8/2011 | 39 | 19.0 | 27,408 | 33,234,376 | 24 | 0 |
| 4/9/2011 | 39 | 18.9 | 27,242 | 33,261,618 | 24 | 0 |
| 4/10/2011 | 39 | 19.0 | 27,300 | 33,288,918 | 24 | 0 |
| 4/11/2011 | 39 | 19.0 | 27,420 | 33,316,338 | 24 | 0 |
| 4/12/2011 | 39 | 18.5 | 26,572 | 33,342,910 | 24 | 0 |
| 4/13/2011 | 39 | 19.4 | 27,996 | 33,370,906 | 24 | 0 |
| 4/14/2011 | 39 | 18.9 | 27,160 | 33,398,066 | 24 | 0 |
| 4/15/2011 | 39 | 18.5 | 26,638 | 33,424,704 | 24 | 0 |
| 4/16/2011 | 39 | 22.8 | 32,818 | 33,457,522 | 24 | 0 |
| 4/17/2011 | 39 | 19.6 | 28,216 | 33,485,738 | 24 | 0 |
| 4/18/2011 | 39 | 19.3 | 27,846 | 33,513,584 | 24 | 0 |
| 4/19/2011 | 39 | 19.3 | 27,726 | 33,541,310 | 24 | 0 |
| 4/20/2011 | 39 | 23.3 | 33,522 | 33,574,832 | 24 | 0 |
| 4/21/2011 | 39 | 19.0 | 27,300 | 33,602,132 | 24 | 0 |
| 4/22/2011 | 39 | 19.0 | 27,388 | 33,629,520 | 24 | 0 |
| 4/23/2011 | 39 | 20.6 | 29,612 | 33,659,132 | 24 | 0 |
| 4/24/2011 | 39 | 18.9 | 27,184 | 33,686,316 | 24 | 0 |
| 4/25/2011 | 39 | 21.3 | 30,604 | 33,716,920 | 24 | 0 |
| 4/26/2011 | 39 | 20.8 | 30,000 | 33,746,920 | 24 | 0 |
| 4/27/2011 | 38 | 20.0 | 28,848 | 33,775,768 | 24 | 0 |
| 4/28/2011 | 38 | 19.4 | 27,964 | 33,803,732 | 24 | 0 |
| 4/29/2011 | 38 | 19.1 | 27,436 | 33,831,168 | 24 | 0 |
| 4/30/2011 | 38 | 18.9 | 27,164 | 33,858,332 | 24 | 0 |
| | | | | | | |
| | 39 | 19.7 | 851,150 | 33,858,332 | 30 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations May 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 5/1/2011 | 38 | 18.8 | 27,108 | 33,885,440 | 24 | 0 |
| 5/2/2011 | 38 | 19.1 | 27,556 | 33,912,996 | 24 | 0 |
| 5/3/2011 | 38 | 20.7 | 29,832 | 33,942,828 | 24 | 0 |
| 5/4/2011 | 38 | 19.3 | 27,840 | 33,970,668 | 24 | 0 |
| 5/5/2011 | 38 | 18.6 | 26,776 | 33,997,444 | 24 | 0 |
| 5/6/2011 | 38 | 18.5 | 26,684 | 34,024,128 | 24 | 0 |
| 5/7/2011 | 38 | 18.3 | 26,312 | 34,050,440 | 24 | 0 |
| 5/8/2011 | 38 | 18.3 | 26,412 | 34,076,852 | 24 | 0 |
| 5/9/2011 | 37 | 18.9 | 27,268 | 34,104,120 | 24 | 0 |
| 5/10/2011 | 37 | 19.4 | 27,880 | 34,132,000 | 24 | 0 |
| 5/11/2011 | 37 | 19.1 | 27,496 | 34,159,496 | 24 | 0 |
| 5/12/2011 | 37 | 19.2 | 27,660 | 34,187,156 | 24 | 0 |
| 5/13/2011 | 37 | 19.0 | 27,424 | 34,214,580 | 24 | 0 |
| 5/14/2011 | 37 | 13.9 | 20,072 | 34,234,652 | 24 | 0 |
| 5/15/2011 | 37 | 15.5 | 22,288 | 34,256,940 | 24 | 0 |
| 5/16/2011 | 37 | 14.1 | 20,276 | 34,277,216 | 24 | 0 |
| 5/17/2011 | 37 | 16.9 | 24,284 | 34,301,500 | 24 | 0 |
| 5/18/2011 | 37 | 22.1 | 31,760 | 34,333,260 | 24 | 0 |
| 5/19/2011 | 37 | 20.2 | 29,056 | 34,362,316 | 24 | 0 |
| 5/20/2011 | 36 | 20.9 | 30,028 | 34,392,344 | 24 | 0 |
| 5/21/2011 | 36 | 20.6 | 29,628 | 34,421,972 | 24 | 0 |
| 5/22/2011 | 36 | 20.3 | 29,176 | 34,451,148 | 24 | 0 |
| 5/23/2011 | 36 | 20.9 | 30,076 | 34,481,224 | 24 | 0 |
| 5/24/2011 | 36 | 20.7 | 29,848 | 34,511,072 | 24 | 0 |
| 5/25/2011 | 36 | 21.2 | 30,460 | 34,541,532 | 24 | 0 |
| 5/26/2011 | 39 | 22.2 | 31,944 | 34,573,476 | 24 | 0 |
| 5/27/2011 | 36 | 21.6 | 31,048 | 34,604,524 | 24 | 0 |
| 5/28/2011 | 39 | 20.8 | 29,944 | 34,634,468 | 24 | 0 |
| 5/29/2011 | 39 | 21.6 | 31,040 | 34,665,508 | 24 | 0 |
| 5/30/2011 | 35 | 16.8 | 24,240 | 34,689,748 | 24 | 0 |
| 5/31/2011 | 35 | 18.1 | 26,016 | 34,715,764 | 24 | 0 |
| | 39 | 19.2 | 857,432 | 34,715,764 | 30 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations June 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 6/1/2011 | 35 | 17.5 | 25,248 | 34,741,012 | 24 | 0 |
| 6/2/2011 | 38 | 17.4 | 25,068 | 34,766,080 | 24 | 0 |
| 6/3/2011 | 35 | 17.5 | 25,184 | 34,791,264 | 24 | 0 |
| 6/4/2011 | 35 | 17.9 | 25,760 | 34,817,024 | 24 | 0 |
| 6/5/2011 | 35 | 17.6 | 25,376 | 34,842,400 | 24 | 0 |
| 6/6/2011 | 39 | 17.5 | 25,244 | 34,867,644 | 24 | 0 |
| 6/7/2011 | 38 | 7.8 | 11,220 | 34,878,864 | 24 | 0 |
| 6/8/2011 | 36 | 8.9 | 12,852 | 34,891,716 | 24 | 0 |
| 6/9/2011 | 36 | 21.6 | 31,116 | 34,922,832 | 24 | 0 |
| 6/10/2011 | 37 | 20.5 | 29,540 | 34,952,372 | 24 | 0 |
| 6/11/2011 | 36 | 20.3 | 29,256 | 34,981,628 | 24 | 0 |
| 6/12/2011 | 37 | 20.0 | 28,812 | 35,010,440 | 24 | 0 |
| 6/13/2011 | 36 | 20.3 | 29,200 | 35,039,640 | 24 | 0 |
| 6/14/2011 | 35 | 20.1 | 28,896 | 35,068,536 | 24 | 0 |
| 6/15/2011 | 35 | 19.5 | 28,056 | 35,096,592 | 24 | 0 |
| 6/16/2011 | 35 | 19.0 | 27,348 | 35,123,940 | 24 | 0 |
| 6/17/2011 | 34 | 18.0 | 25,884 | 35,149,824 | 24 | 0 |
| 6/18/2011 | 34 | 17.8 | 25,620 | 35,175,444 | 24 | 0 |
| 6/19/2011 | 34 | 17.7 | 25,424 | 35,200,868 | 24 | 0 |
| 6/20/2011 | 34 | 17.6 | 25,368 | 35,226,236 | 24 | 0 |
| 6/21/2011 | 34 | 17.5 | 25,244 | 35,251,480 | 24 | 0 |
| 6/22/2011 | 34 | 19.1 | 27,556 | 35,279,036 | 24 | 0 |
| 6/23/2011 | 34 | 18.5 | 26,648 | 35,305,684 | 24 | 0 |
| 6/24/2011 | 34 | 17.8 | 25,572 | 35,331,256 | 24 | 0 |
| 6/25/2011 | 34 | 17.5 | 25,160 | 35,356,416 | 24 | 0 |
| 6/26/2011 | 34 | 17.3 | 24,920 | 35,381,336 | 24 | 0 |
| 6/27/2011 | 34 | 17.3 | 24,940 | 35,406,276 | 24 | 0 |
| 6/28/2011 | 34 | 17.2 | 24,704 | 35,430,980 | 24 | 0 |
| 6/29/2011 | 34 | 17.1 | 24,668 | 35,455,648 | 24 | 0 |
| 6/30/2011 | 34 | 17.0 | 24,536 | 35,480,184 | 24 | 0 |
| | | | | | | |
| | 39 | 17.7 | 764,420 | 35,480,184 | 30 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations July 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 7/1/2011 | 34 | 16.7 | 23,976 | 35,504,160 | 24 | 0 |
| 7/2/2011 | 34 | 16.3 | 23,436 | 35,527,596 | 24 | 0 |
| 7/3/2011 | 34 | 17.9 | 25,792 | 35,553,388 | 24 | 0 |
| 7/4/2011 | 34 | 18.6 | 26,732 | 35,580,120 | 24 | 0 |
| 7/5/2011 | 33 | 18.5 | 26,620 | 35,606,740 | 24 | 0 |
| 7/6/2011 | 33 | 18.5 | 26,672 | 35,633,412 | 24 | 0 |
| 7/7/2011 | 33 | 17.5 | 25,200 | 35,658,612 | 24 | 0 |
| 7/8/2011 | 33 | 18.9 | 27,232 | 35,685,844 | 24 | 0 |
| 7/9/2011 | 33 | 18.7 | 26,880 | 35,712,724 | 24 | 0 |
| 7/10/2011 | 33 | 18.6 | 26,836 | 35,739,560 | 24 | 0 |
| 7/11/2011 | 33 | 18.5 | 26,596 | 35,766,156 | 24 | 0 |
| 7/12/2011 | 33 | 18.4 | 26,492 | 35,792,648 | 24 | 0 |
| 7/13/2011 | 33 | 18.2 | 26,264 | 35,818,912 | 24 | 0 |
| 7/14/2011 | 33 | 18.0 | 25,984 | 35,844,896 | 24 | 0 |
| 7/15/2011 | 33 | 17.8 | 25,672 | 35,870,568 | 24 | 0 |
| 7/16/2011 | 33 | 17.6 | 25,404 | 35,895,972 | 24 | 0 |
| 7/17/2011 | 33 | 17.4 | 25,020 | 35,920,992 | 24 | 0 |
| 7/18/2011 | 33 | 17.4 | 25,108 | 35,946,100 | 24 | 0 |
| 7/19/2011 | 33 | 17.3 | 24,856 | 35,970,956 | 24 | 0 |
| 7/20/2011 | 33 | 17.2 | 24,764 | 35,995,720 | 24 | 0 |
| 7/21/2011 | 33 | 17.0 | 24,536 | 36,020,256 | 24 | 0 |
| 7/22/2011 | 33 | 16.8 | 24,240 | 36,044,496 | 24 | 0 |
| 7/23/2011 | 33 | 16.7 | 24,040 | 36,068,536 | 24 | 0 |
| 7/24/2011 | 33 | 16.8 | 24,128 | 36,092,664 | 24 | 0 |
| 7/25/2011 | 33 | 16.5 | 23,732 | 36,116,396 | 24 | 0 |
| 7/26/2011 | 33 | 16.0 | 23,104 | 36,139,500 | 24 | 0 |
| 7/27/2011 | 33 | 16.0 | 23,052 | 36,162,552 | 24 | 0 |
| 7/28/2011 | 33 | 16.0 | 22,988 | 36,185,540 | 24 | 0 |
| 7/29/2011 | 33 | 16.4 | 23,576 | 36,209,116 | 24 | 0 |
| 7/30/2011 | 33 | 15.6 | 22,404 | 36,231,520 | 24 | 0 |
| 7/31/2011 | 33 | 15.7 | 22,636 | 36,254,156 | 24 | 0 |
| | 34 | 17.3 | 773,972 | 36,254,156 | 30 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations August 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 8/1/2011 | 33 | 14.4 | 20,756 | 36,274,912 | 24 | 0 |
| 8/2/2011 | 32 | 13.2 | 19,052 | 36,293,964 | 24 | 0 |
| 8/3/2011 | 33 | 13.4 | 19,292 | 36,313,256 | 24 | 0 |
| 8/4/2011 | 33 | 13.0 | 18,784 | 36,332,040 | 24 | 0 |
| 8/5/2011 | 33 | 13.1 | 18,832 | 36,350,872 | 24 | 0 |
| 8/6/2011 | 32 | 13.1 | 18,824 | 36,369,696 | 24 | 0 |
| 8/7/2011 | 32 | 15.5 | 22,332 | 36,392,028 | 24 | 0 |
| 8/8/2011 | 32 | 17.3 | 24,872 | 36,416,900 | 24 | 0 |
| 8/9/2011 | 32 | 17.2 | 24,748 | 36,441,648 | 24 | 0 |
| 8/10/2011 | 32 | 17.4 | 25,020 | 36,466,668 | 24 | 0 |
| 8/11/2011 | 33 | 17.3 | 24,972 | 36,491,640 | 24 | 0 |
| 8/12/2011 | 33 | 17.3 | 24,896 | 36,516,536 | 24 | 0 |
| 8/13/2011 | 32 | 16.9 | 24,296 | 36,540,832 | 24 | 0 |
| 8/14/2011 | 32 | 16.7 | 24,012 | 36,564,844 | 24 | 0 |
| 8/15/2011 | 32 | 16.5 | 23,696 | 36,588,540 | 24 | 0 |
| 8/16/2011 | 32 | 16.1 | 23,208 | 36,611,748 | 24 | 0 |
| 8/17/2011 | 32 | 15.9 | 22,868 | 36,634,616 | 24 | 0 |
| 8/18/2011 | 32 | 15.7 | 22,540 | 36,657,156 | 24 | 0 |
| 8/19/2011 | 32 | 15.4 | 22,164 | 36,679,320 | 24 | 0 |
| 8/20/2011 | 32 | 15.1 | 21,728 | 36,701,048 | 24 | 0 |
| 8/21/2011 | 32 | 15.7 | 22,596 | 36,723,644 | 24 | 0 |
| 8/22/2011 | 32 | 15.0 | 21,568 | 36,745,212 | 24 | 0 |
| 8/23/2011 | 32 | 14.7 | 21,144 | 36,766,356 | 24 | 0 |
| 8/24/2011 | 32 | 14.6 | 21,060 | 36,787,416 | 24 | 0 |
| 8/25/2011 | 32 | 14.1 | 20,372 | 36,807,788 | 24 | 0 |
| 8/26/2011 | 32 | 13.3 | 19,112 | 36,826,900 | 24 | 0 |
| 8/27/2011 | 32 | 13.0 | 18,692 | 36,845,592 | 24 | 0 |
| 8/28/2011 | 32 | 12.4 | 17,908 | 36,863,500 | 24 | 0 |
| 8/29/2011 | 32 | 12.0 | 17,340 | 36,880,840 | 24 | 0 |
| 8/30/2011 | 32 | 11.8 | 17,048 | 36,897,888 | 24 | 0 |
| 8/31/2011 | 32 | 11.6 | 16,664 | 36,914,552 | 24 | 0 |
| | 33 | 14.8 | 660,396 | 36,914,552 | 31 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations September 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-----------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 9/1/2011 | 32 | 11.3 | 16,212 | 36,930,764 | 24 | 0 |
| 9/2/2011 | 32 | 10.7 | 15,388 | 36,946,152 | 24 | 0 |
| 9/3/2011 | 32 | 10.1 | 14,608 | 36,960,760 | 24 | 0 |
| 9/4/2011 | 32 | 10.2 | 14,696 | 36,975,456 | 24 | 0 |
| 9/5/2011 | 32 | 9.3 | 13,428 | 36,988,884 | 24 | 0 |
| 9/6/2011 | 32 | 8.7 | 12,504 | 37,001,388 | 24 | 0 |
| 9/7/2011 | 32 | 8.3 | 12,000 | 37,013,388 | 24 | 0 |
| 9/8/2011 | 32 | 8.4 | 12,118 | 37,025,506 | 24 | 0 |
| 9/9/2011 | 32 | 8.4 | 12,118 | 37,037,624 | 24 | 0 |
| 9/10/2011 | 32 | 8.4 | 12,118 | 37,049,742 | 24 | 0 |
| 9/11/2011 | 32 | 8.4 | 12,118 | 37,061,860 | 24 | 0 |
| 9/12/2011 | 31 | 8.4 | 12,118 | 37,073,978 | 24 | 0 |
| 9/13/2011 | 31 | 8.4 | 12,118 | 37,086,096 | 24 | 0 |
| 9/14/2011 | 31 | 8.4 | 12,118 | 37,098,214 | 24 | 0 |
| 9/15/2011 | 31 | 8.4 | 12,118 | 37,110,332 | 24 | 0 |
| 9/16/2011 | 31 | 7.9 | 11,428 | 37,121,760 | 24 | 0 |
| 9/17/2011 | 31 | 8.1 | 11,596 | 37,133,356 | 24 | 0 |
| 9/18/2011 | 31 | 7.9 | 11,304 | 37,144,660 | 24 | 0 |
| 9/19/2011 | 31 | 8.4 | 12,112 | 37,156,772 | 24 | 0 |
| 9/20/2011 | 31 | 8.5 | 12,280 | 37,169,052 | 24 | 0 |
| 9/21/2011 | 31 | 8.6 | 12,388 | 37,181,440 | 24 | 0 |
| 9/22/2011 | 31 | 8.4 | 12,108 | 37,193,548 | 24 | 0 |
| 9/23/2011 | 31 | 10.3 | 14,896 | 37,208,444 | 24 | 0 |
| 9/24/2011 | 31 | 9.0 | 12,952 | 37,221,396 | 24 | 0 |
| 9/25/2011 | 31 | 9.2 | 13,228 | 37,234,624 | 24 | 0 |
| 9/26/2011 | 30 | 9.4 | 13,500 | 37,248,124 | 24 | 0 |
| 9/27/2011 | 30 | 10.7 | 15,348 | 37,263,472 | 24 | 0 |
| 9/28/2011 | 30 | 10.7 | 15,444 | 37,278,916 | 24 | 0 |
| 9/29/2011 | 30 | 3.8 | 5,512 | 37,284,428 | 24 | 0 |
| 9/30/2011 | 30 | 9.1 | 13,044 | 37,297,472 | 24 | 0 |
| | | | | | | |
| | 32 | 8.9 | 382,920 | 37,297,472 | 30 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations October 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|-------------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 10/1/2011 | 30 | 8.4 | 12,064 | 37,309,536 | 24 | 0 |
| 10/2/2011 | 30 | 8.8 | 12,676 | 37,322,212 | 24 | 0 |
| 10/3/2011 | 30 | 9.0 | 12,944 | 37,335,156 | 24 | 0 |
| 10/4/2011 | 30 | 11.2 | 16,072 | 37,351,228 | 24 | 0 |
| 10/5/2011 | 30 | 10.1 | 14,560 | 37,365,788 | 24 | 0 |
| 10/6/2011 | 30 | 9.8 | 14,132 | 37,379,920 | 24 | 0 |
| 10/7/2011 | 29 | 10.1 | 14,472 | 37,394,392 | 24 | 0 |
| 10/8/2011 | 29 | 10.2 | 14,736 | 37,409,128 | 24 | 0 |
| 10/9/2011 | 29 | 10.7 | 15,476 | 37,424,604 | 24 | 0 |
| 10/10/2011 | 29 | 10.8 | 15,504 | 37,440,108 | 24 | 0 |
| 10/11/2011 | 29 | 11.1 | 16,028 | 37,456,136 | 24 | 0 |
| 10/12/2011 | 29 | 11.9 | 17,072 | 37,473,208 | 24 | 0 |
| 10/13/2011 | 29 | 12.4 | 17,784 | 37,490,992 | 24 | 0 |
| 10/14/2011 | 29 | 12.3 | 17,676 | 37,508,668 | 24 | 0 |
| 10/15/2011 | 30 | 18.1 | 26,080 | 37,534,748 | 24 | 0 |
| 10/16/2011* | 0 | 0.0 | 0 | 0 | 24 | 0 |
| 10/17/2011* | 0 | 0.0 | 0 | 0 | 24 | 0 |
| 10/18/2011 | 36 | 2.5 | 3,612 | 37,538,360 | 24 | 0 |
| 10/19/2011 | 36 | 9.4 | 13,476 | 37,551,836 | 24 | 0 |
| 10/20/2011 | 37 | 14.9 | 21,436 | 37,573,272 | 24 | 0 |
| 10/21/2011 | 37 | 11.7 | 16,820 | 37,590,092 | 24 | 0 |
| 10/22/2011 | 37 | 11.6 | 16,740 | 37,606,832 | 24 | 0 |
| 10/23/2011 | 36 | 12.1 | 17,396 | 37,624,228 | 24 | 0 |
| 10/24/2011 | 36 | 12.4 | 17,828 | 37,642,056 | 24 | 0 |
| 10/25/2011 | 36 | 12.5 | 18,024 | 37,660,080 | 24 | 0 |
| 10/26/2011 | 36 | 14.7 | 21,212 | 37,681,292 | 24 | 0 |
| 10/27/2011 | 36 | 14.4 | 20,804 | 37,702,096 | 24 | 0 |
| 10/28/2011 | 36 | 13.9 | 20,028 | 37,722,124 | 24 | 0 |
| 10/29/2011 | 36 | 14.4 | 20,748 | 37,742,872 | 24 | 0 |
| 10/30/2011 | 36 | 14.4 | 20,780 | 37,763,652 | 24 | 0 |
| 10/31/2011 | 36 | 14.8 | 21,244 | 37,784,896 | 24 | 0 |
| | 37 | 10.9 | 487,424 | 37,784,896 | 31 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

*System bypass using T-8 for system Cleaning

Monthly Flow Calculations November 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|------------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 11/1/2011 | 36 | 14.8 | 21,316 | 37,806,212 | 24 | 0 |
| 11/2/2011 | 36 | 15.0 | 21,572 | 37,827,784 | 24 | 0 |
| 11/3/2011 | 36 | 14.9 | 21,496 | 37,849,280 | 24 | 0 |
| 11/4/2011 | 36 | 14.6 | 20,968 | 37,870,248 | 24 | 0 |
| 11/5/2011 | 36 | 14.7 | 21,136 | 37,891,384 | 24 | 0 |
| 11/6/2011 | 36 | 5.5 | 7,908 | 37,899,292 | 19 | 1 |
| 11/7/2011 | 36 | 5.7 | 8,172 | 37,907,464 | 24 | 0 |
| 11/8/2011 | 36 | 16.5 | 23,776 | 37,931,240 | 24 | 0 |
| 11/9/2011 | 36 | 16.0 | 23,092 | 37,954,332 | 24 | 0 |
| 11/10/2011 | 36 | 15.5 | 22,388 | 37,976,720 | 24 | 0 |
| 11/11/2011 | 36 | 15.3 | 22,024 | 37,998,744 | 24 | 0 |
| 11/12/2011 | 36 | 15.7 | 22,536 | 38,021,280 | 24 | 0 |
| 11/13/2011 | 36 | 15.2 | 21,956 | 38,043,236 | 24 | 0 |
| 11/14/2011 | 36 | 15.6 | 22,520 | 38,065,756 | 24 | 0 |
| 11/15/2011 | 36 | 15.2 | 21,884 | 38,087,640 | 24 | 0 |
| 11/16/2011 | 36 | 15.1 | 21,756 | 38,109,396 | 24 | 0 |
| 11/17/2011 | 36 | 14.9 | 21,520 | 38,130,916 | 24 | 0 |
| 11/18/2011 | 36 | 14.8 | 21,268 | 38,152,184 | 24 | 0 |
| 11/19/2011 | 36 | 14.7 | 21,156 | 38,173,340 | 24 | 0 |
| 11/20/2011 | 36 | 14.4 | 20,696 | 38,194,036 | 24 | 0 |
| 11/21/2011 | 36 | 14.3 | 20,612 | 38,214,648 | 24 | 0 |
| 11/22/2011 | 36 | 14.6 | 21,000 | 38,235,648 | 24 | 0 |
| 11/23/2011 | 36 | 18.6 | 26,840 | 38,262,488 | 24 | 0 |
| 11/24/2011 | 41 | 15.4 | 22,228 | 38,284,716 | 24 | 0 |
| 11/25/2011 | 36 | 15.3 | 22,080 | 38,306,796 | 24 | 0 |
| 11/26/2011 | 37 | 15.3 | 22,008 | 38,328,804 | 24 | 0 |
| 11/27/2011 | 41 | 15.8 | 22,708 | 38,351,512 | 24 | 0 |
| 11/28/2011 | 40 | 17.2 | 24,700 | 38,376,212 | 24 | 0 |
| 11/29/2011 | 36 | 19.5 | 28,120 | 38,404,332 | 24 | 0 |
| 11/30/2011 | 36 | 16.3 | 23,456 | 38,427,788 | 24 | 0 |
| | | | | | | |
| | 41 | 14.4 | 642,892 | 38,427,788 | 30 | 99.4% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |

Monthly Flow Calculations December 2011

| Date | Maximum Flow (gpm) | Average Flow Rate (gpm) | Total Daily Flow (Gal) | Total Gallons To Date (Gal) | Run Time (hours) | Run Time (minutes) |
|------------|---------------------|---------------------------------|-------------------------------|-----------------------------|------------------|------------------------|
| 12/1/2011 | 36 | 13.4 | 19,332 | 38,447,120 | 24 | 0 |
| 12/2/2011 | 36 | 17.0 | 24,536 | 38,471,656 | 24 | 0 |
| 12/3/2011 | 36 | 16.9 | 24,404 | 38,496,060 | 24 | 0 |
| 12/4/2011 | 36 | 17.7 | 25,420 | 38,521,480 | 24 | 0 |
| 12/5/2011 | 36 | 17.7 | 25,468 | 38,546,948 | 24 | 0 |
| 12/6/2011 | 37 | 14.4 | 20,676 | 38,567,624 | 24 | 0 |
| 12/7/2011 | 39 | 22.5 | 32,384 | 38,600,008 | 24 | 0 |
| 12/8/2011 | 36 | 20.9 | 30,052 | 38,630,060 | 24 | 0 |
| 12/9/2011 | 36 | 22.3 | 32,180 | 38,662,240 | 24 | 0 |
| 12/10/2011 | 36 | 19.7 | 28,436 | 38,690,676 | 24 | 0 |
| 12/11/2011 | 36 | 18.3 | 26,292 | 38,716,968 | 24 | 0 |
| 12/12/2011 | 38 | 18.7 | 26,960 | 38,743,928 | 24 | 0 |
| 12/13/2011 | 36 | 12.0 | 17,232 | 38,761,160 | 24 | 0 |
| 12/14/2011 | 38 | 12.0 | 17,232 | 38,778,392 | 24 | 0 |
| 12/15/2011 | 39 | 22.3 | 32,172 | 38,810,564 | 24 | 0 |
| 12/16/2011 | 36 | 19.1 | 27,496 | 38,838,060 | 24 | 0 |
| 12/17/2011 | 36 | 19.2 | 27,708 | 38,865,768 | 24 | 0 |
| 12/18/2011 | 36 | 19.2 | 27,664 | 38,893,432 | 24 | 0 |
| 12/19/2011 | 39 | 19.0 | 27,364 | 38,920,796 | 24 | 0 |
| 12/20/2011 | 39 | 15.8 | 22,704 | 38,943,500 | 24 | 0 |
| 12/21/2011 | 39 | 19.5 | 28,028 | 38,971,528 | 24 | 0 |
| 12/22/2011 | 37 | 18.9 | 27,208 | 38,998,736 | 24 | 0 |
| 12/23/2011 | 40 | 21.3 | 30,696 | 39,029,432 | 24 | 0 |
| 12/24/2011 | 39 | 24.3 | 34,920 | 39,064,352 | 24 | 0 |
| 12/25/2011 | 38 | 24.8 | 35,728 | 39,100,080 | 24 | 0 |
| 12/26/2011 | 40 | 24.3 | 35,060 | 39,135,140 | 24 | 0 |
| 12/27/2011 | 39 | 25.7 | 36,976 | 39,172,116 | 24 | 0 |
| 12/28/2011 | 36 | 25.1 | 36,080 | 39,208,196 | 24 | 0 |
| 12/29/2011 | 36 | 23.7 | 34,068 | 39,242,264 | 24 | 0 |
| 12/30/2011 | 36 | 23.8 | 34,220 | 39,276,484 | 24 | 0 |
| 12/31/2011 | 36 | 24.3 | 34,984 | 39,311,468 | 24 | 0 |
| | | | | | | |
| | 40 | 19.6 | 883,680 | 39,311,468 | 31 | 100% |
| | Daily Maximum (GPM) | Monitoring Period Average (GPM) | Monitoring Period Total (GAL) | Cumulative Total (GAL) | Runtime (Days) | Operational Percentage |