Bi-Annual 2007 Monitoring Event Letter Report For Site No. 932001 Airco Properties, Inc., Airco Parcel Niagara Falls, New York

Prepared for

The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, New Jersey 07974

Prepared by

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July 2007
Revision: 0
Project No.: 150C265.1005

Greenstar Engineering, PC
6 Gellatly Drive
Wappingers Falls, NY 12590

16 July 2007

Mr. Michael Resh
Manager of Environmental Affairs
The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, New Jersey 07974

RE: Bi-Annual 2007 Monitoring Event Letter Report, Site No. 932001, Airco Properties Inc., Airco Parcel, Niagara Falls, New York
Greenstar Project No.: 150C265.1005

Dear Mr. Resh:

Greenstar Engineering, P.C. (Greenstar) is pleased to provide the Bi-Annual 2006 Monitoring Event Letter Report summarizing the operation and maintenance activities which occurred from 1 July 2006 to 31 December 2006. The post-closure monitoring and facility maintenance program was initiated at the Airco Parcel located in Niagara Falls, New York, 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 monitoring event letter report is to summarize the analytical results of the first bi-annual 2007 groundwater monitoring event that was completed at this site in April 2007, and to summarize operations and maintenance activities completed from January through June 2007.

OBJECTIVES

In accordance with the Revised Final Post-Closure Monitoring and Facility Maintenance Plan for this site prepared by EA Engineering, PC and its affiliate EA Science and Technology (EA 2004)[1], environmental monitoring points will be maintained and sampled during the post-closure monitoring period, including groundwater, surface water, and groundwater collection treatment system (GCTS) samples. The Post-Closure Monitoring and Facility Maintenance Plan documents sampling locations, sampling parameters and methods, in addition to other required maintenance activities, such as landfill cap inspections and the operations and maintenance plan for the GCTS. Following the first 5 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 based on the data collected at the site so that the monitoring plan will be focused to address site-specific issues that may be identified.

In accordance with the updated Post-Closure Monitoring and Facility Maintenance Program the following activities are being completed:

- Environmental monitoring points are being maintained and sampled during the post-closure period. Bi-annual summary reports are submitted to the New York State Department of

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.

Environmental Conservation (NYSDEC) Division of Solid and Hazardous Materials, Region 9; the State of New York Department of Health in Albany, New York; The BOC Group; and the document repository located at the Town of Niagara Town's Clerk's Office.

- Routine inspections are conducted of sediment ponds and the engineered wetlands 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 all sampling and analytical results.

The bi-annual sampling events are summarized in a letter report detailing the findings of the environmental sampling. Monitoring event letter reports will be limited to documenting the results of each sampling round. This letter report summarizes the findings of the seventh bi-annual post-closure monitoring event completed at this site, along with a summary of operation and maintenance activities performed at this site from January through July 2007.

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. The 25-acre Airco parcel operated by The BOC Group is the focus of this bi-annual sampling event. The site contains waste material from the operation of onsite and nearby production facilities.

An Immediate Investigative Work Assignment was conducted by NYSDEC for a portion of the 150-acre parcel in August 1997. Approximately 70 acres from the Niagara Mohawk Power Corporation and New York Power Authority parcel were investigated. 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. According to the Immediate Investigative Work Assignment, much of the surface material consisted of fill, including fly ash, dust, slag, and cinder materials.

Analysis of site groundwater during the Immediate Investigative Work Assignment indicated that surface water and groundwater standards were exceeded for hexavalent chromium and pH. Based on the Immediate Investigative Work Assignment and other investigations, the facility has been

listed as a Class 2 Hazardous Waste Site in the New York State Registry of Inactive Hazardous Waste Sites (Site No. 932001). A Class 2 listing indicates a significant threat to public health and the environment, and requires remedial action.

The Airco site remedial measures were completed in 2000 when the landfill was capped. 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 construction of the capping system a relief pipe system was installed to allow perched water to exit from under the cap without causing slope instability. Flow monitoring and quarterly sampling were initiated as part of post-closure operations and facility maintenance. The data collected since December 2000 indicated that the leachate was actually shallow groundwater discharging to surface water. The data also indicated that the discharge of groundwater at the site was seasonal. The data further indicated that elevated hexavalent chromium (Cr^{6+}) concentrations and pH in groundwater, upon mixing with surface water, remained in excess of the ambient water quality criteria.

The GCTS was designed to implement additional remedial actions, which have been deemed necessary to meet the goals of the interim remedial measures program. The main portion of the GCTS is located on the northwest corner of the site and contains the main control panel, carbon dioxide storage tank, carbon dioxide aeration system, two sediment ponds, duplex pump house, zero valence iron reaction tanks, manhole collection sump, engineered wetland, and an effluent pump station. At the southwest corner of the site there is an influent wetwell pump station. The GCTS located at the site is presented on Figure 2.

MONITORING EVENT FIELD ACTIVITIES

Monitoring Well Gauging

The site monitoring wells (MW-1B through MW-8B) were gauged prior to sampling on 17-18 April2007. The depth to water ranged from 2.66 ft below top of casing at MW-6B to 11.94 ft below top of casing at MW-2B. Gauging data are summarized in the table below:

Monitoring Well	Depth to Water (ft btoc)	Well Elevation (ft AMSL)	Water Elevation (ft AMSL)
MW-1B	9.00	617.77	608.77
MW-2B	11.94	615.88	603.94
MW-3B	7.52	611.22	603.70
MW-4B	5.08	606.68	601.60
MW-5B	3.82	605.48	601.66
MW-6B	2.66	603.47	600.81
MW-7B	8.01	609.48	601.47
MW-8B	3.18	611.62	608.44

NOTE: btoc = Below top of casing.
AMSL = Above mean sea level.

An interpretation of the water table surface is illustrated on Figure 3.

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

Groundwater Sampling Procedures

Monitoring wells were sampled on 17-18 April 2007. Eight groundwater samples were collected from the site monitoring wells. Monitoring wells MW-4B, MW-5B and MW-8B were purged using dedicated bailers due to slow recharge and limited well volume. These wells were bailed dry and allowed to recharge prior to sample collection. Monitoring wells MW-1B, MW-2B, MW-3B, MW-6B, and MW-7B had adequate recharge rates for low flow sampling utilizing a peristaltic pump. Water quality readings were allowed to stabilize prior to sample collection. Three surface water samples were collected from the drainage swale east of MW-6B, in the drainage swale due north of the pump station, and at the discharge point from the site. Samples were submitted to Severn Trent 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.

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. Analytical results for groundwater and surface water 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. Laboratory analytical results for groundwater and surface water sampling are included in Attachment D.

ANALYTICAL RESULTS

Based on the analytical results collected during the Fourth Quarter 2000 and First Quarter 2001, NYSDEC approved a reduction in the sampling requirements. As per a letter to NYSDEC dated 5 June 2000, samples were analyzed for water quality parameters (ammonia, phenolics, and sulfate) and total (unfiltered) metals.

Summary tables listing analytical results compared to applicable NYSDEC AWQS are included in Attachment A, and a tag map illustrating analyte results and sampling order is provided as Figure 4. Notable results of chemical analyses are as follows.

Metals

Unfiltered metals samples were collected from the 8 monitoring wells and from 3 surface water locations including one sample from the swale discharge at the property boundary, one north of the influent wetwell, and one form the southern swale in the vicinity of MW-6B. Notable 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.

- Hexavalent chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B and MW-8B at concentrations ranging from 0.194 mg/L to 0.316 mg/L.

- Chromium was detected in excess of the NYSDEC AWQS in MW-2B, MW-4B, MW-7B and MW-8B at concentrations ranging from 0.021 mg/L to 0.31 mg/L.

- Magnesium was detected in excess of the NYSDEC AWQS in MW-1B, MW-4B, MW-5B, MW-6B, MW-7B and MW-8B at concentrations ranging from 43.6 mg/L to 92.3 mg/L.

- Manganese was detected in excess of the NYSDEC AWQS in MW-1B at a concentration of 0.88 mg/L.

- Selenium was detected in excess of the NYSDEC AWQS in MW-8B at a concentration of 0.088 mg/L.

- Sodium was detected in excess of the NYSDEC AWQS in all 8 monitoring wells at concentrations ranging from 33.2 mg/L to 108 mg/L.

- No parameters were detected in excess of the NYSDEC AWQS in the surface water samples.

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 also analyzed by the laboratory. Notable results included the following:

- Sulfate was detected in excess of NYSDEC AWQS in MW-1B and MW-8B at concentrations of 293 mg/L to 316 mg/L, respectively.

- pH measurements were measured outside the NYSDEC AWQS of 6.5-8.5 standard pH units in monitoring wells MW-2B (11.38-11.67), MW-3B (9.31-10.01), MW-4B (5.74-6.64) and MW-6B (7.6-8.56), (See Attachment B).

LANDFILL INSPECTION

Landfill cap inspections were conducted on 20 March and 8 June 2007. The 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 access roads need to be scarified to remove vegetation. This will be scheduled for July 2007. Drainage swales are clear. Sediment and vegetation from the swales in the southwest corner were removed and new stone placed. The swale, which was regarded around the pump station, in an effort to keep stormwater from entering the collection system continues to operate freely. It was observed during the site visits in April and May that subsidence of the sidewalls of the ponds was occurring. A surveyor was mobilized to the site to confirm the observation. Survey data suggests that in some areas, the subsidence is greater than 1 foot. Plans to effect repairs to the ponds are being prepared with a remedy in place during the 2007 construction season.

GCTS OPERATIONS AND MAINTENANCE MONITORING ACTIVITIES

The GCTS is part of the Airco Parcel located near Witmer Road in Niagara Falls, New York. The GCTS was designed to implement additional remedial actions, which have been deemed necessary to meet the goals of the interim remedial measures program. The main portion of the GCTS is located on the northwest corner of the site and contains the main control panel, SCADA system, carbon dioxide storage tank, carbon dioxide aeration system, two sediment ponds, zero valence iron reaction tanks, associated transfer pumps, engineered wetland, and an effluent pump station. At the southwest corner of the site there is an influent duplex wetwell pump station. The GCTS located at the site is presented on Figure 2. The complete operations and maintenance manual is presented as an appendix to the Post-Closure Monitoring and Facility Maintenance Plan (EA 2004)[4].

System Operations and Maintenance

The GCTS was operated throughout the 6-month period of 1 January – 30 June 2007. System monitoring was conducted throughout the operation period. Attachment G provides details of the problems encountered, and the implemented solutions.

During the report period, the GCTS operated for 3,920 hours (90.2 percent) and averaged 10.75 gpm while operating. The GCTS sampling occurred bi-weekly during the operation period. Samples were collected at various locations to evaluate treatment system performance and compliance with discharge criteria. Samples were collected from T3A (Sediment Pond A) and after treatment via the zero valence iron tank T6B (Sediment Pond B), and after the engineered wetland (EWE) bi-weekly during the GCTS operation period. The samples were analyzed in the field for total chromium and hexavalent, chromium using a HACH DR4000® spectrophotometer. The HACH DR4000® spectrophotometer 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 engineered wetland discharge samples were analyzed in the field as well as separate quarterly samples taken for off-site laboratory analysis at Severn Trent Laboratories of Amherst, New York for a full list of discharge criteria.

Field sampling results for total and hexavalent chromium can be found in Table 1, and results of the quarterly engineered wetland discharge samples can be found in Table 2. For the period 1 January – 30 June 2007, removal rates were 95.7 percent for hexavalent and 96.7 percent for total chromium. Iron Analytical results for the quarterly sampling noted that Iron exceeded the NYSDEC discharge criteria (0.300 mg/L) for the March (0.603 mg/L) and June (0.307 mg/L) discharge samples. The full set of laboratory analytical data for the GCTS discharge sampling can be found in Attachment F.

4. EA Engineering, P.C. and its Affiliate EA Science and Technology. 2004. Post-Closure Monitoring and Facility Maintenance Plan for the Airco Parcel, Niagara Falls, New York. Appendix A. September.

GCTS Modifications (January–July 2007)

GCTS modifications performed during the operational period are as follows:

- Installation of the standby generator and automatic transfer switch.
- Installation of two 1,000 propane tanks.
- Installation of the new valve shed for operation of the GCTS influent.

Attachment G summarizes monthly operation and maintenance details for the period January through June 2007, as well as provides upcoming operation and maintenance proposed projects and modification improvements.

If you have any questions regarding the results of this Bi-Annual 2007 Monitoring Event Letter Report, please do not hesitate to contact Charles McLeod at (845) 223-9944.

Sincerely,

GREENSTAR ENGINEERING, P.C.

Charles E. McLeod, Jr., P.E.
President

CEM/cl
Attachments

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

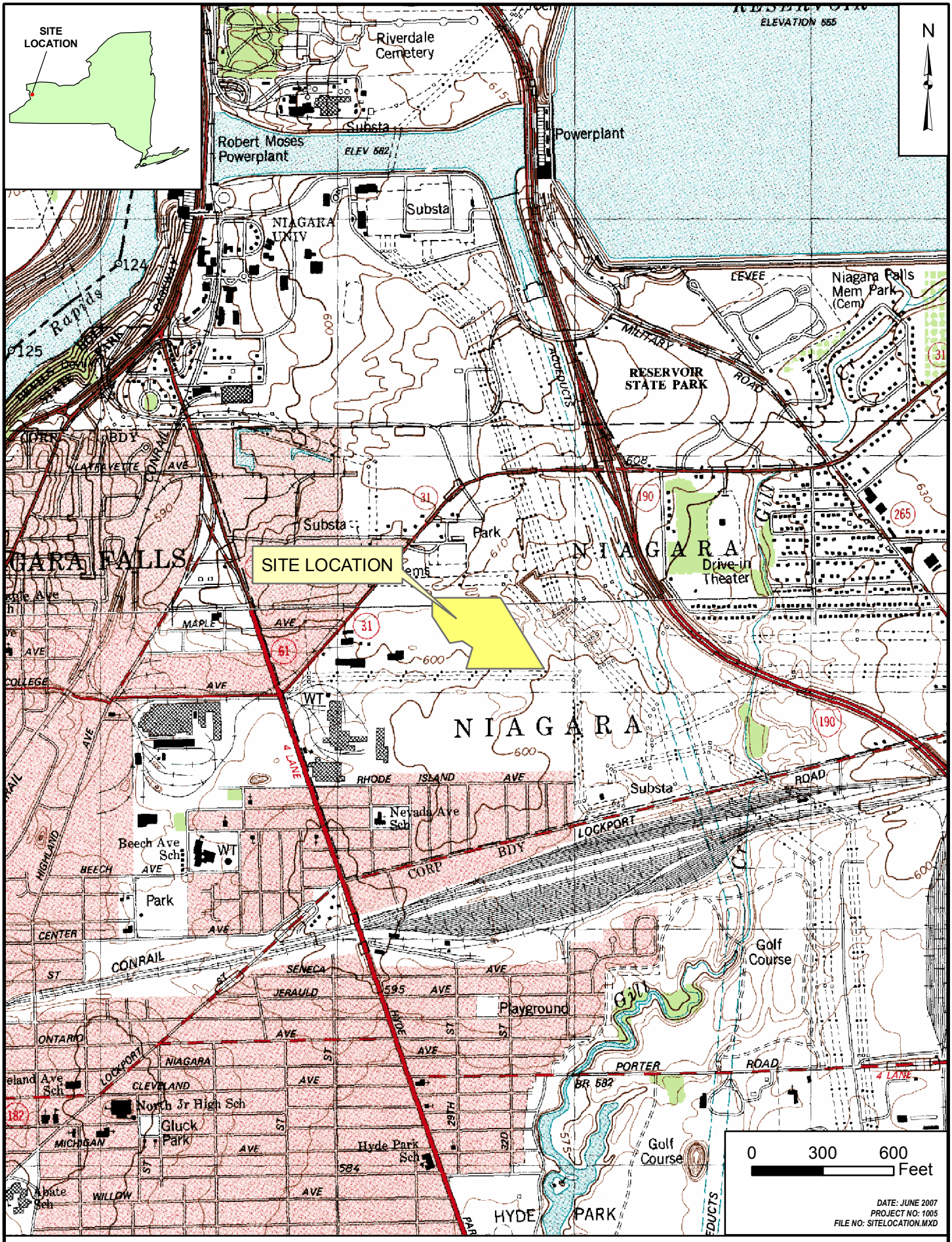
TABLE 1 SUMMARY OF FIELD SAMPLING RESULTS
1 JANUARY – 30 JUNE 2007, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

	Sediment Pond A		Sediment Pond B		Wetland Discharge	
Date	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium	Total Chromium	Hexavalent Chromium
1/3/07	210 µg/L	103 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
1/12/07	207 µg/L	95 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
2/5/07	NS	NS	NS	NS	NS	NS
2/22/07	45 µg/L	12 µg/L	3 µg/L	<3U µg/L	25 µg/L	<3U µg/L
3/6/07	188 µg/L	80 µg/L	<6U µg/L	<3U µg/L	6 µg/L	<3U µg/L
3/20/07	234 µg/L	20 µg/L	<6U µg/L	<3U µg/L	5 µg/L	1 µg/L
4/2/07	213 µg/L	166 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
4/17/07	204 µg/L	176 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	<3U µg/L
5/15/07	NS	85	NS	<3U µg/L	NS	**13 µg/L**
5/30/07	199	98	<6U µg/L	<3U µg/L	<6U µg/L	0 µg/L
6/9/07	NS	182 µg/L	NS	<3U µg/L	NS	11 µg/L
6/20/07	154 µg/L	176 µg/L	<6U µg/L	<3U µg/L	<6U µg/L	2 µg/L

NOTE: NS = Not Sampled
Values in **bold** in excess of SPDES discharge guidance values
Unless otherwise noted, field samples analyzed using a HACH DR4000® Spectrophotometer.
Methods 8023 for Hexavalent Chromium and Method 8084 for Total Chromium.
(1) Laboratory sample results for the quarterly effluent discharge sampling of the treatment system indicated no hexavalent or total chromium.

TABLE 2 SUMMARY OF QUARTERLY DISCHARGE SAMPLING 6 MARCH AND ??? 2007, AIRCO PARCEL, NIAGARA FALLS, NEW YORK

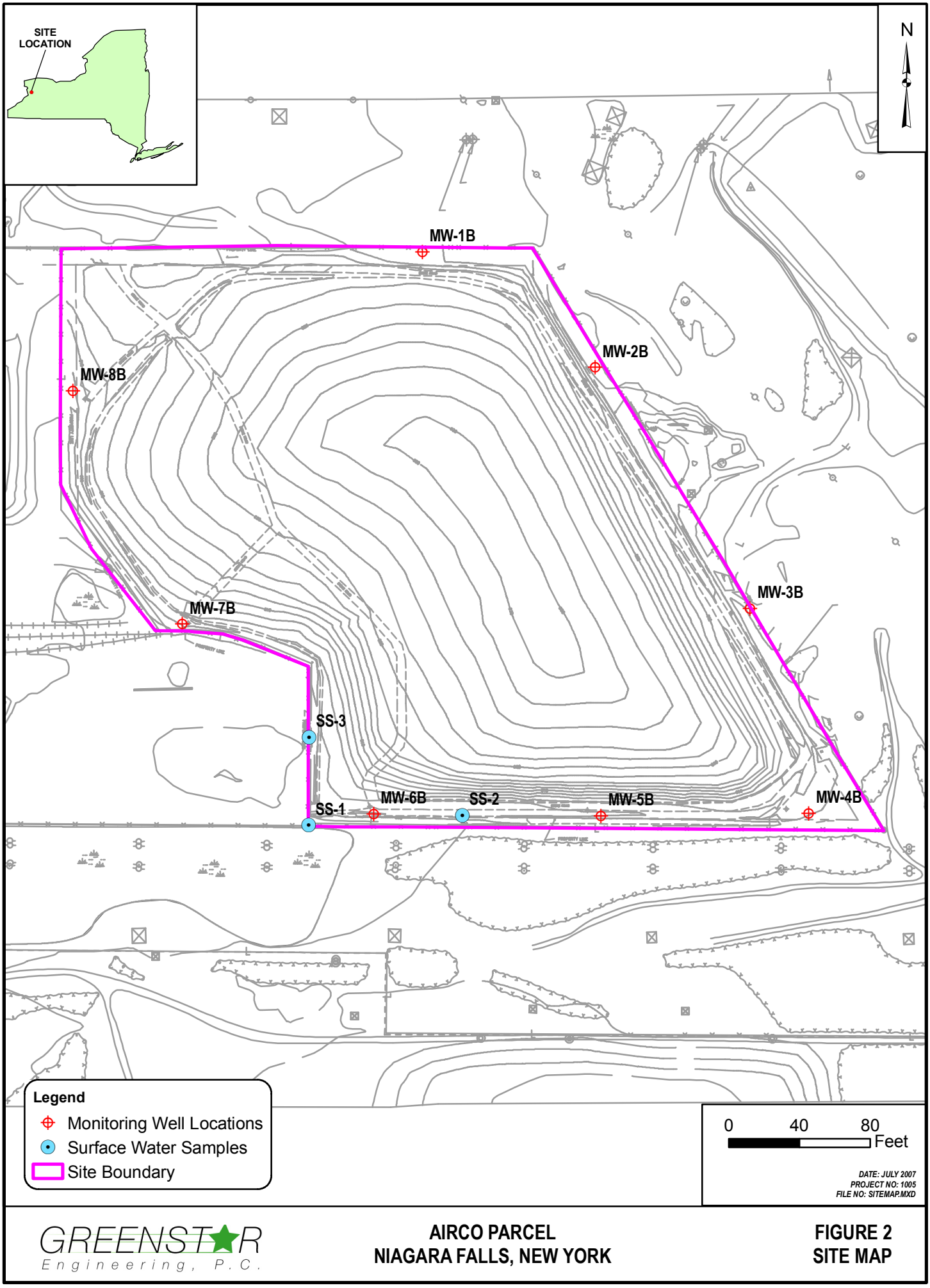
Parameter	6 March 2007	26 June 2007	New York State Department of Environmental Conservation Discharge Criteria
pH	7.52	7.57	6-8 NTU
Total suspended solids	<10U	<10U	10 mg/l
Dissolved Oxygen	8.8 mg/l	7.4 mg/l	7 mg/l
Ammonia as N	<18.4U	<18.4U	9.2 mg/l
Total Kjeldahl nitrogen	3.8 mg/l	4.9 mg/l	Monitor
Total Recoverable Phenolics	**0.0098 mg/l**	<0.008U	.008 mg/l
Biochemical oxygen demand	<5U	<5U	5.0 mg/l
1,1-Dichloroethane	<5U	<5U	5.0 µg/l
Trichloroethene	<5U	<5U	5.0 µg/l
Nickel	<0.07U	<0.07U	0.07 mg/l
Copper	<0.0147U	<0.0147U	0.0147 mg/l
Barium	<2U	<2U	2 mg/l
Total chromium	<0.1U	<0.1U	0.1 mg/l
Hexavalent chromium	<0.011U	<0.011U	0.011 mg/l
Iron	**0.603**	**0.307**	0.3 mg/l
Selenium	**0.0094 mg/l**	<0.0046	0.0046 mg/l
Thallium	<0.004U	<0.004U	0.004 mg/l
Zinc	<0.115U	<0.115U	0.115 mg/l
Nitrate as N	0.17 mg/l	<0.05U mg/l-N	Monitor
Nitrite as N	0.41U mg/l	<0.05U mg/l-N	Monitor
Chemical oxygen demand	<40U	<40U	40 mg/l
Total dissolved solids	947 mg/l	939 mg/l	Monitor



GREENSTAR Engineering, P.C.

AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 1
SITE LOCATION



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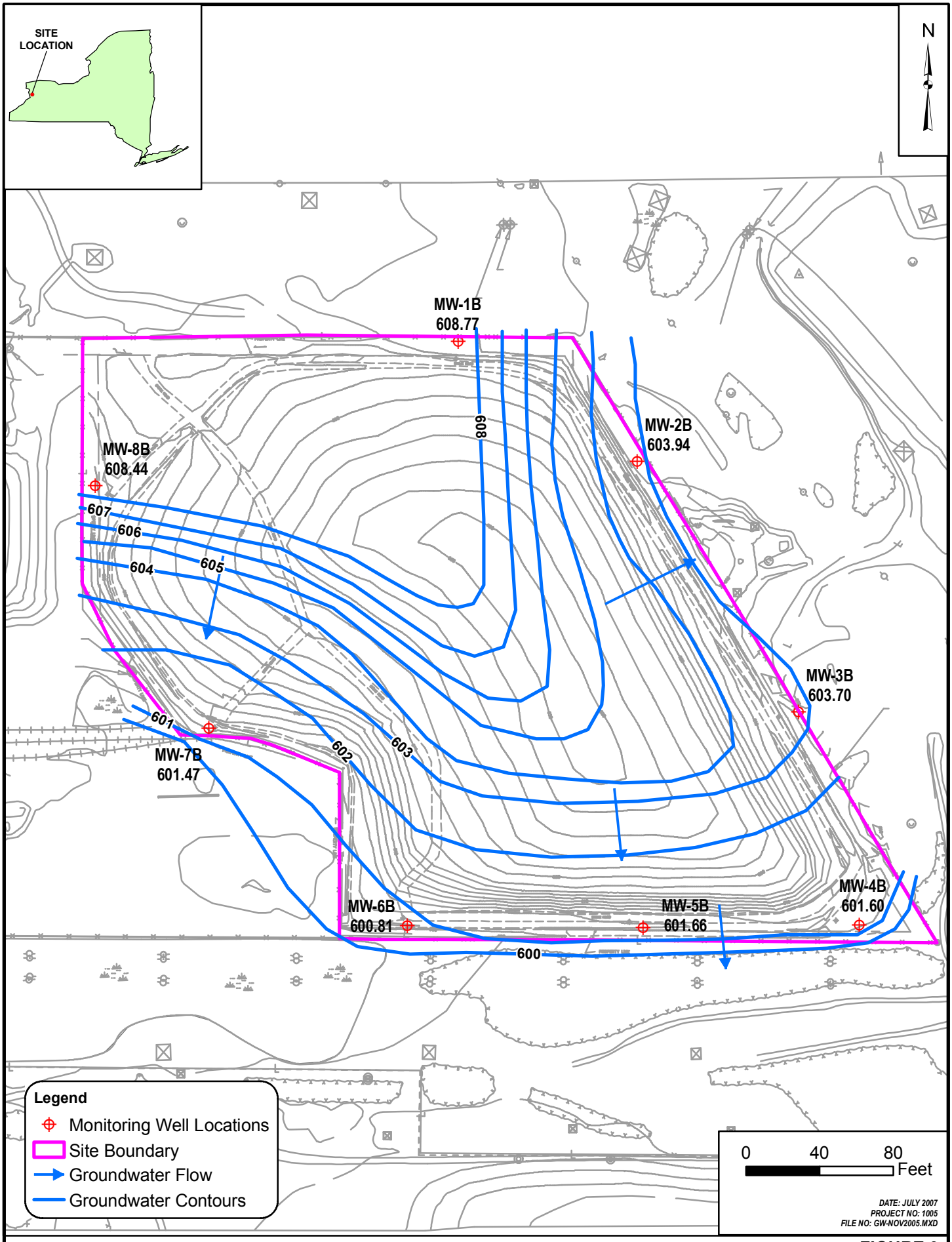
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 2
SITE MAP



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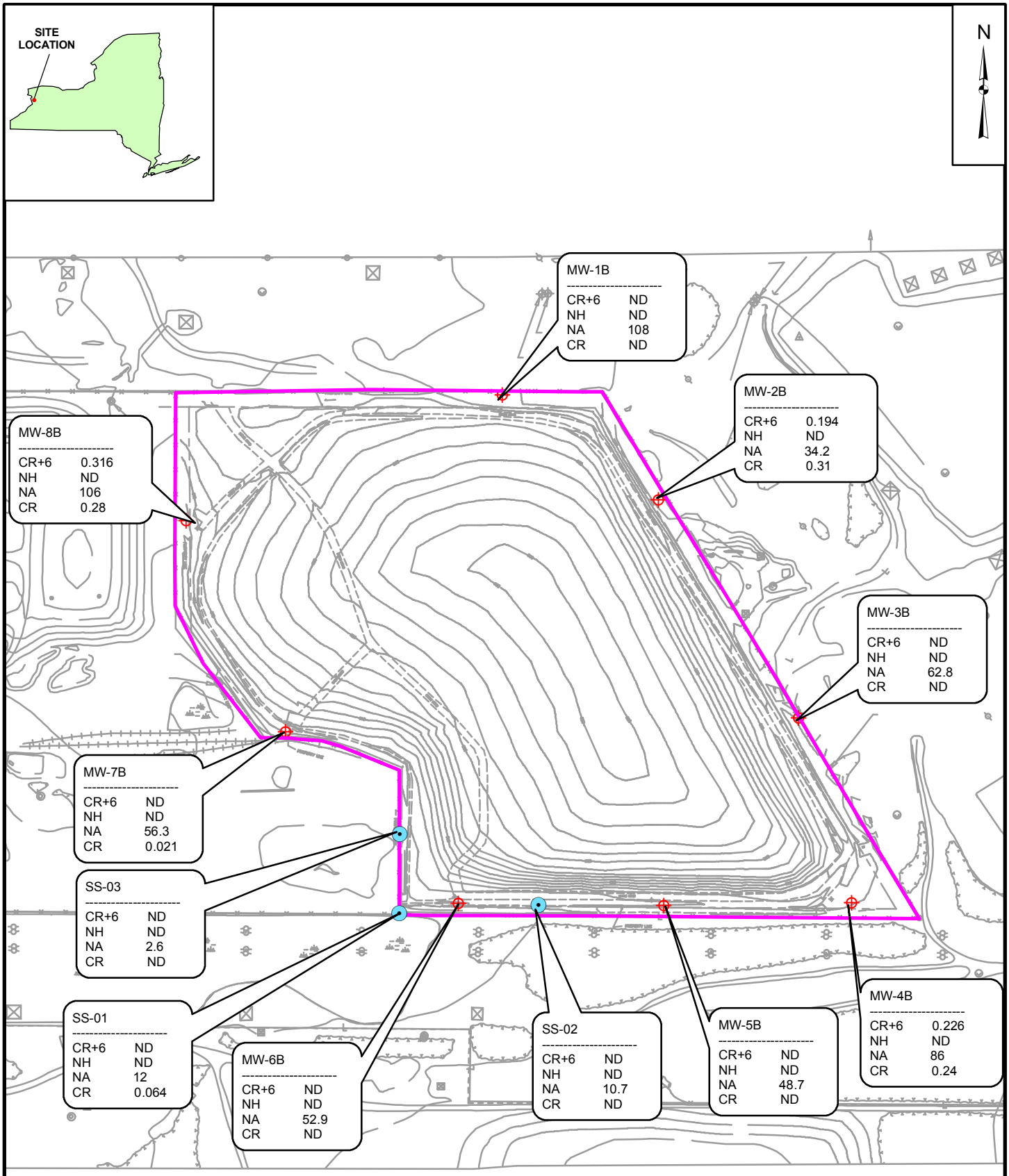
AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 3
GROUNDWATER CONTOURS
APRIL 2007



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AIRCO PARCEL
NIAGARA FALLS, NEW YORK

FIGURE 4
SAMPLE RESULTS
APRIL 2007

Attachment A

Summary of Analytical Results of Groundwater and Surface Water Samples April 2007

ATTACHMENT A
SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER AND SURFACE WATER SAMPLES
COLLECTED IN APRIL 2007,
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**									
Chromium	0.05	(<0.004U)	**0.31**	**0.3**	(<0.004U)	**0.24**	(<0.004U)	(<0.004U)	0.021	**0.28**
Chromium, Hexavalent	0.05	(<0.011U)	**0.194**	**0.258**	(<0.011U)	**0.226**	(<0.011U)	(<0.011U)	(<0.011U)	**0.316**
Iron	0.3	0.25	(<0.05U)	(<0.05U)	(<0.05U)	**1**	**0.88**	**0.45**	**0.58**	**1.3**
Magnesium	35*	**67.7**	(<0.2U)	(<0.2U)	6.1	**43.6**	**75.8**	**92.3**	9.8	**66.2**
Manganese	0.3	**0.88**	(<0.003U)	(<0.003U)	0.0054	0.017	0.024	0.18	0.037	0.14
Selenium	0.01	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	(<0.015U)	**0.086**
Silica	---	9.1	0.8J	0.74J	7.3	7.7	9.2	6.5	4.9	7.9
Sodium	20	**108**	**34.2**	**33.2**	**62.8**	**86**	**48.7**	**52.9**	**56.3**	**106**
Zinc	2*	0.55	(<0.01U)	(<0.01U)	(<0.01U)	0.025	0.07	(<0.01U)	(<0.01U)	0.058

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**									
Sulfate	250	**293**	17	16.9	81.4	170	184	225	38.5	**316**

Surface Water

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

		SS-01	SS-02	SS-03
Analyte	**AWQS**			
Chromium	---	0.0064	(<0.004U)	(<0.004U)
Chromium, Hexavalent	0.016	(<0.011U)	(<0.011U)	(<0.011U)
Iron	0.3	0.16	0.1	0.066
Magnesium	---	14.4	14.9	16.3
Manganese	---	0.0059	0.003	(<0.003U)
Selenium	0.0046	(<0.015U)	(<0.015U)	(<0.015U)
Silica	---	1.1J	1.1J	3.7
Sodium	---	12	10.7	2.6
Zinc	---	(<0.01U)	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

		SS-01	SS-02	SS-03
Analyte	**AWQS**			
Sulfate	---	26.9	28.4	13.6

QA/QC

Baseline Metals by EPA Method 200.7 (mg/L)

Total (Unfiltered)

Analyte	AWQS	RB-01	SWB-01
Chromium	---	(<0.004U)	(<0.004U)
Chromium, Hexavalent	---	(<0.011U)	(<0.011U)
Iron	---	(<0.05U)	(<0.05U)
Magnesium	---	1.2	1.2
Manganese	---	(<0.003U)	(<0.003U)
Selenium	---	(<0.015U)	(<0.015U)
Silica	---	4.6	4.2
Sodium	---	3.7	3.8
Zinc	---	(<0.01U)	(<0.01U)

Water Quality Parameters (mg/L)

Analyte	AWQS	RB-01	SWB-01
Sulfate	---	5.1	5.1

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).
J	=	Estimated concentration.

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
April 2007

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW1B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 35°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 7:50	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 10:32
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 27.83	**D. Well Volume (ft3):** 0.41	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 9.00	**E. Well Volume (L)** 11.62	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 18.83		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1032	9.00	0	0.25	6.84	159	9.09	1.67	5.22	75.4
1037	9.66	1	0.25	6.77	108	8.45	1.76	2.41	47.1
1041	9.65	2	0.25	6.68	54	8.68	1.75	0.36	27.2
1045	9.67	3	0.25	6.63	35	8.72	1.76	0.00	21.5
1049	9.68	4	0.25	6.60	28	8.72	1.76	0.00	22.2
1053	9.70	5	0.25	6.59	25	8.74	1.76	0.00	17.2
1057	9.74	6	0.25	6.57	24	8.88	1.76	0.00	26.2
1101	9.75	7	0.25	6.56	24	8.88	1.75	0.00	26.9

Total Quantity of Water Removed:	~ 7 liters	**Sampling Time:**	11:05
Samplers:	SB	**Split Sample With:**	
Sampling Date:	17-Apr-07	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW2B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 7:55	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 11:28
Purge Method: Pesistaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 27.31	**D. Well Volume (ft3):** 0.34	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 11.94	**E. Well Volume (L):** 9.49	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 15.37		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1138	11.94	0	0.25	11.38	-108	8.41	3.71	1.94	6.8
1142	16.59	1	0.25	11.43	-112	8.54	3.70	1.66	3.9
1146	18.61	2	0.25	11.52	-116	8.52	3.70	1.32	1.7
1150	20.05	3	0.25	11.57	-117	8.43	3.70	1.20	1.9
1154	21.03	4	0.25	11.61	-117	8.49	3.69	1.12	8.0
1158	21.48	5	0.25	11.63	-117	8.46	3.70	1.12	14.9
1202	21.58	6	0.25	11.63	-117	8.42	3.70	1.10	14.6
1206	22.23	7	0.25	11.66	-117	8.46	3.69	1.09	14.8
1210	22.65	8	0.25	11.67	-117	8.52	3.69	1.04	14.1

Total Quantity of Water Removed:	~8 liters	**Sampling Time:**	12:15
Samplers:	SB	**Split Sample With:**	AP-DUP-01
Sampling Date:	17-Apr-07	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS: AP-DUP-01 also Collected from AP-MW2B

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW3B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 8:05	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 13:40
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 18.41	**D. Well Volume (ft3):** 0.24	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.52	**E. Well Volume (L):** 6.72	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 10.89		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1342	7.52	0	0.25	10.01	29	8.73	0.505	8.41	5.6
1346	9.89	1	0.25	9.85	26	8.43	0.503	7.32	4.8
1350	10.37	2	0.25	9.73	15	8.41	0.499	5.85	2.8
1354	11.06	3	0.25	9.66	-1	8.44	0.495	4.41	2.3
1358	11.43	4	0.25	9.62	-10	8.41	0.494	3.69	1.8
1402	11.76	5	0.25	9.56	-26	8.45	0.494	2.89	3.0
1406	12.00	6	0.25	9.50	-35	8.53	0.495	2.32	2.9
1410	12.35	7	0.25	9.38	-38	8.59	0.502	2.12	2.9
1414	12.48	8	0.25	9.31	-40	8.62	0.502	2.23	2.7

Total Quantity of Water Removed: ~ 8 liters
Samplers: SB
Sampling Date: 17-Apr-07
Sampling Time: 14:20
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW4B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 8:15	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 8:30
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 15.08	**D. Well Volume (ft3):** 0.22	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 5.08	**E. Well Volume (L):** 6.17	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 10.00		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
830	5.08	0	N/A	5.74	200	6.52	0.920	9.82	3.4
840	14.28	7	N/A	6.64	167	6.90	0.960	8.86	>1000
730	4.98	N/A	N/A	5.85	200	6.11	0.949	12.40	67.3

Total Quantity of Water Removed: ~ 7 liters
Samplers: SB
Sampling Date: 18-Apr-07
Sampling Time: 7:40
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.
3 foot bailer used.

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW5B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 8:55	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 9:00
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 14.22	**D. Well Volume (ft3):** 0.23	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 3.82	**E. Well Volume (L):** 6.42	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 10.40		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
900	3.82	0	N/A	6.91	174	5.72	1.10	7.18	3.5
915	13.79	7	N/A	6.99	158	7.17	1.10	7.34	> 1000
755	3.77	N/A	N/A	6.04	200	5.33	1.04	12.77	80.4

Total Quantity of Water Removed: ~ 7 liters
Samplers: SB
Sampling Date: 18-Apr-07
Sampling Time: 8:00
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.
1 foot bailer used.

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW6B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/27/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 9:20	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 14:45
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 23.02	**D. Well Volume (ft3):** 0.44	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 2.66	**E. Well Volume (L):** 12.57	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 20.36		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1446	2.66	0	0.25	8.56	-19	8.51	1.20	2.94	25.5
1450	4.65	1	0.25	8.43	-62	8.41	1.39	0.00	11.9
1454	5.63	2	0.25	8.19	-69	8.20	1.23	0.00	2.0
1458	6.72	3	0.25	8.05	-70	8.17	1.21	0.00	2.6
1502	7.18	4	0.25	7.98	-72	8.17	1.20	0.00	1.7
1506	8.36	5	0.25	7.79	-73	8.16	1.20	0.00	0.5
1510	9.14	6	0.25	7.68	-74	8.19	1.20	0.00	0.7
1514	9.81	7	0.25	7.6	-74	8.19	1.20	0.00	0.6

Total Quantity of Water Removed:	~ 7 liters	**Sampling Time:**	15:25
Samplers:	SB	**Split Sample With:**	
Sampling Date:	17-Apr-07	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW7B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 0:00	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 16:10
Purge Method: Peristaltic Pump	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 21.79	**D. Well Volume (ft3):** 0.30	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 8.01	**E. Well Volume (L):** 8.51	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B): 13.78		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1613	8.01	0	0.25	7.83	35	8.84	0.478	0.39	403.0
1617	10.63	1	0.25	7.89	0	8.54	0.513	0.00	89.3
1621	11.74	2	0.25	7.92	-23	8.45	0.431	0.00	37.4
1625	12.44	3	0.25	7.95	-43	8.22	0.415	0.00	22.9
1629	12.95	4	0.25	7.97	-60	8.17	0.409	0.00	37.0
1633	13.29	5	0.25	7.98	-67	8.09	0.406	0.00	19.4
1637	13.57	6	0.25	7.99	-71	8.04	0.405	0.00	18.6
1642	13.81	7	0.25	7.99	-74	8.03	0.404	0.00	18.0
1645	14.07	8	0.25	7.99	-75	8.05	0.404	0.00	17.6

Total Quantity of Water Removed:	~ 8 liters	**Sampling Time:**	16:50
Samplers:	SB	**Split Sample With:**	
Sampling Date:	17-Apr-07	**Sample Type:**	GRAB

COMMENTS AND OBSERVATIONS:

GREENSTAR
Engineering, P.C.

WELL GAUGING, PURGING AND SAMPLING FORM

Well I.D.: AP-MW8B	**Personnel:** Steve Bazilus	**Client:** BOC GASES
Location: Niagara Falls	**Well Condition:** Locked	**Weather:** Cloudy, 40°
Sounding Method: WLI	**Gauge Date:** 4/17/2007	**Measurement Ref:** TOC
Stick Up/Down (ft): UP	**Gauge Time:** 9:35	**Well Diameter (in):** 2"

Purge Date: 4/17/2007	**Purge Time:** 9:40
Purge Method: Hand Bail	**Greenstar Personnel:** SB

Well Volume

A. Well Depth (ft): 15.51	**D. Well Volume (ft3):** 0.27	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 3.18	**E. Well Volume (L):** 7.61	**Pump Type:** Dedicated hand bailer
C. Liquid Depth (ft) (A-B): 12.33		**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
940	3.18	0	N/A	6.77	160	6.14	1.30	7.33	29.0
955	15.07	9	N/A	6.91	150	7.62	1.28	6.25	> 1000
815	4.23	N/A	N/A	6.16	192	5.29	1.23	12.75	81.8

Total Quantity of Water Removed: ~ 9 liters
Samplers: SB
Sampling Date: 18-Apr-07
Sampling Time: 8:10
Split Sample With:
Sample Type: GRAB

COMMENTS AND OBSERVATIONS: Well purged dry and sampled the following day.

Attachment C

Chain-of-Custody Records
March, April and June 2007

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Chip McLeod - Greenstar	Project Manager: Chip McLeod	Date: 04/18/07	Chain of Custody Number: 284528
Address: 6 Gellatly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944/9955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact: JRK	
Project Name and Location (State): Airco Parcel, Niagara Falls, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: me	TSi	SO4	Cr+6 WQ	Ammonia	TPHENOLS	Special Instructions/ Conditions of Receipt
AP-MW-4B	04/18/07	0740		X			1	2	2				X	X	X	X	X	X	
AP-MW-5B	"	0800		X			1	2	2				X	X	X	X	X	X	
AP-MW-8B	"	0810		X			1	2	2				X	X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ 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 Cr+6 ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: S. Bell	04/18/07	1100	1. Received By: D. C	4/18/07	1100
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.0°C

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

84/127

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Chip McLeod - Greenstar	Project Manager: Chip McLeod	Date: 04/17/07	Chain of Custody Number: 284529
Address: 6 Gellatly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944/9455	Lab Number:	Page 1 of 1
City: Wappingers Falls / State: NY / Zip Code: 12590	Site Contact:	Lab Contact: JRK	
Project Name and Location (State): Airco Parcel, Niagara Falls NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ME	T-Si	SO4	Cr+6 WQ	Ammonia	TPHENOLS	Special Instructions/ Conditions of Receipt
AP-MW-1B	04/17/07	1105		X			1	2	2				X	X	X	X	X	X	
AP-MW-2B		1215		X			1	2	2				X	X	X	X	X	X	
AP-MW-3B		1420		X			1	2	2				X	X	X	X	X	X	
AP-MW-6B		1525		X			1	2	2				X	X	X	X	X	X	
AP-MW-7B		1650		X			1	2	2				X	X	X	X	X	X	
AP-DUP-01		0000		X			1	2	2				X	X	X	X	X	X	
AP-SWB-01		1400		X			1	2	2				X	X	X	X	X	X	
AP-RB-01		1430		X			1	2	2				X	X	X	X	X	X	
AP-SS-01		1540		X			1	2	2				X	X	X	X	X	X	
AP-SS-02		1535		X			1	2	2				X	X	X	X	X	X	
AP-SS-03		1528		X			1	2	2				X	X	X	X	X	X	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ 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 (CR+6) ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: S. Bruce	04/17/07		1. Received By: Andrew Szymanski	04.17.07	1750
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: Process CR+6 Analysis on AP-DUP-01 First. 4.0°C

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

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Field	Entry
Client	Greenster Engineering P.C.
Address	6 Gellatly Drive
City	Wappingers Falls
State	NY
Zip Code	12510
Project Name and Location (State)	Arco Parcel, Niagara Falls, NY
Contract/Purchase Order/Quote No.	
Project Manager	Chip McLeod
Telephone Number (Area Code)/Fax Number	845-223-9944
Site Contact	
Lab Contact	
Carrier/Waybill Number	
Date	3-6-07
Lab Number	
Chain of Custody Number	323912
Page	1 of 1

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	200.8 Metals	1P VOAs	TKN, COD	Ammonia	N.Nitrate/Nitrite	BOD, TSS, TDS	O.G.	pH-1	Cr+6 WQ	T.Phenols	Special Instructions/ Conditions of Receipt
AP-EWE-01	3 6 07	1245		X			4	2	2	2			X	X	X	X	X	X	X	X	X	X	
~~AP-EWE~~																							
AP-INF-01	3 6 07	1400		X			1													X	X		WQ, pH, Cr+6 only

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 (Cr+6) ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days (all except Cr+6) ☐ Other____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/6/07	1530	1. Received By: [signature]	3/6/07	1530
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.8°C

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

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

Hex Cr

STL-4124 (0901)

Client: Greenstar Engineers	Project Manager: Chip McLeod	Date: 6/6/07	Chain of Custody Number: 349068
Address: 6 Bellath Drive	Telephone Number (Area Code)/Fax Number: (914) 475-6623 / (845) 223-9955	Lab Number:	Page 1 of 1
City: Wappingers Falls / State: NY / Zip Code: 12590	Site Contact: C. McLeod	Lab Contact: J.K	
Project Name and Location (State): Airco Parcel	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 20 Metals	10 Vocs	Ammonia	COD/SOD	Nitrate/Nitrite	TDS/TSS	DO, pH	Cr+6	Total Phenols
AP-EWE-01	6/6/07	1540		X			4	2	1	2			X	X	X	X	X	X	X	X	X
AP-SS-01	6/6/07	1600		X			4	2	1	2			X	X	X	X	X	X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [ ] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Cr+6

Turn Around Time Required: [X] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 6/6/07	Time: 1650	1. Received By: [signature]	Date: 06/06/07	Time: 1650
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.0°C

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

50/50

Attachment D

Laboratory Analytical Results for Groundwater and Surface Water Sampling April 2007

ANALYTICAL REPORT

Job#: A07-3878,A07-3883,A07-3899,A07-3900

STL Project#: NY5A9582
SDG#: 3878
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

05/01/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7387801	AP-DUP-01	WATER	04/17/2007	00:00	04/17/2007	17:50
A7388301	AP-DUP-01	WATER	04/17/2007		04/17/2007	17:50
A7387802	AP-MW-1B	WATER	04/17/2007	11:05	04/17/2007	17:50
A7388302	AP-MW-1B	WATER	04/17/2007	11:05	04/17/2007	17:50
A7387803	AP-MW-2B	WATER	04/17/2007	12:15	04/17/2007	17:50
A7388303	AP-MW-2B	WATER	04/17/2007	12:15	04/17/2007	17:50
A7387804	AP-MW-3B	WATER	04/17/2007	14:20	04/17/2007	17:50
A7388304	AP-MW-3B	WATER	04/17/2007	14:20	04/17/2007	17:50
A7389901	AP-MW-4B	WATER	04/18/2007	07:40	04/18/2007	11:00
A7390001	AP-MW-4B	WATER	04/18/2007	07:40	04/18/2007	11:00
A7389902	AP-MW-5B	WATER	04/18/2007	08:00	04/18/2007	11:00
A7390002	AP-MW-5B	WATER	04/18/2007	08:00	04/18/2007	11:00
A7387805	AP-MW-6B	WATER	04/17/2007	15:25	04/17/2007	17:50
A7388305	AP-MW-6B	WATER	04/17/2007	15:25	04/17/2007	17:50
A7387806	AP-MW-7B	WATER	04/17/2007	16:50	04/17/2007	17:50
A7388306	AP-MW-7B	WATER	04/17/2007	16:50	04/17/2007	17:50
A7389903	AP-MW-8B	WATER	04/18/2007	08:10	04/18/2007	11:00
A7390003	AP-MW-8B	WATER	04/18/2007	08:10	04/18/2007	11:00
A7387807	AP-RB-01	WATER	04/17/2007	14:30	04/17/2007	17:50
A7388307	AP-RB-01	WATER	04/17/2007	14:30	04/17/2007	17:50
A7387808	AP-SS-01	WATER	04/17/2007	15:40	04/17/2007	17:50
A7388308	AP-SS-01	WATER	04/17/2007	15:40	04/17/2007	17:50
A7387809	AP-SS-02	WATER	04/17/2007	15:35	04/17/2007	17:50
A7388309	AP-SS-02	WATER	04/17/2007	15:35	04/17/2007	17:50
A7387810	AP-SS-03	WATER	04/17/2007	15:28	04/17/2007	17:50
A7388310	AP-SS-03	WATER	04/17/2007	15:28	04/17/2007	17:50
A7387811	AP-SWB-01	WATER	04/17/2007	14:00	04/17/2007	17:50
A7388311	AP-SWB-01	WATER	04/17/2007	14:00	04/17/2007	17:50

METHODS SUMMARY

Job#: A07-3878,A07-3883,A07-3899,A07-3900

STL Project#: NY5A9582
SDG#: 3878
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD		
Cadmium - Total	MCAWW	200.7	
Chromium - Total	MCAWW	200.7	
Iron - Total	MCAWW	200.7	
Lead - Total	MCAWW	200.7	
Magnesium - Total	MCAWW	200.7	
Manganese - Total	MCAWW	200.7	
Selenium - Total	MCAWW	200.7	
Silicon - Total	SW8463	6010	
Sodium - Total	MCAWW	200.7	
Thallium - Total	MCAWW	200.7	
Zinc - Total	MCAWW	200.7	
Ammonia	MCAWW	350.1	*
Hexavalent Chromium - Total	SW8463	7196A	
Sulfate	MCAWW	300.0	
Total Recoverable Phenolics	MCAWW	420.2	

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

SDG NARRATIVE

Job#: A07-3878,A07-3883,A07-3899,A07-3900

STL Project#: NY5A9582
SDG#: 3878
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-3878
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.
A07-3883
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.
A07-3899
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A07-3900
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Metals Data

Silicon was subcontracted to STL Connecticut. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Silicon may be found within the comment summary of the subcontract report.

Wet Chemistry Data

The value obtained for Hexavalent Chromium on sample AP-MW-2B is inconsistent with historical trends. Reanalysis was performed and the value was confirmed.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-DUP-01	A7387801	Ammonia	2.00	008
AP-MW-1B	A7387802	Sulfate	5.00	008
AP-MW-2B	A7387803	Ammonia	2.00	008
AP-MW-3B	A7387804	Sulfate	5.00	008
AP-MW-6B	A7387805	Sulfate	5.00	008
AP-SS-03	A7387810	Sulfate	5.00	008
AP-MW-4B	A7389901	Sulfate	5.00	002
AP-MW-5B	A7389902	Sulfate	5.00	002
AP-MW-8B	A7389903	Sulfate	5.00	002

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 05/01/2007 Requested Detection Limits < STL's PQL Page: 1
Time: 17:32:12 Rept: AN1520

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Parameter	Unit	Client DL	STL PQL
420.2	Total Recoverable Phenolics	UG/L	8.0	10

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-DUP-01
Lab Sample ID: A7387801
Date Collected: 04/17/2007
Time Collected: 00:00

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 23:15	SW
Chromium - Total	0.30		0.0040	MG/L	200.7	04/20/2007 23:15	SW
Iron - Total	ND		0.050	MG/L	200.7	04/20/2007 23:15	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 23:15	SW
Magnesium - Total	ND		0.20	MG/L	200.7	04/20/2007 23:15	SW
Manganese - Total	ND		0.0030	MG/L	200.7	04/20/2007 23:15	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 23:15	SW
Sodium - Total	33.2		1.0	MG/L	200.7	04/20/2007 23:15	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 23:15	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/20/2007 23:15	SW
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	258		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	16.9		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-DUP-01
Lab Sample ID: A7388301
Date Collected: 04/17/2007
Time Collected:

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	0.74	J	2.50000	MG/L	6010	04/24/2007 18:05	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-1B
Lab Sample ID: A7387802
Date Collected: 04/17/2007
Time Collected: 11:05

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 23:20	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/20/2007 23:20	SW
Iron - Total	0.25		0.050	MG/L	200.7	04/20/2007 23:20	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 23:20	SW
Magnesium - Total	67.7		0.20	MG/L	200.7	04/20/2007 23:20	SW
Manganese - Total	0.88		0.0030	MG/L	200.7	04/20/2007 23:20	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 23:20	SW
Sodium - Total	108		1.0	MG/L	200.7	04/20/2007 23:20	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 23:20	SW
Zinc - Total	0.55		0.010	MG/L	200.7	04/20/2007 23:20	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	293		10	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/20/2007 14:02	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-1B
Lab Sample ID: A7388302
Date Collected: 04/17/2007
Time Collected: 11:05

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	9.1		2.50000	MG/L	6010	04/24/2007 18:09	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-2B
Lab Sample ID: A7387803
Date Collected: 04/17/2007
Time Collected: 12:15

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 23:26	SW
Chromium - Total	0.31		0.0040	MG/L	200.7	04/20/2007 23:26	SW
Iron - Total	ND		0.050	MG/L	200.7	04/20/2007 23:26	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 23:26	SW
Magnesium - Total	ND		0.20	MG/L	200.7	04/20/2007 23:26	SW
Manganese - Total	ND		0.0030	MG/L	200.7	04/20/2007 23:26	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 23:26	SW
Sodium - Total	34.2		1.0	MG/L	200.7	04/20/2007 23:26	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 23:26	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/20/2007 23:26	SW
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	194		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	17.0		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-2B
Lab Sample ID: A7388303
Date Collected: 04/17/2007
Time Collected: 12:15

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	0.80	J	2.50000	MG/L	6010	04/24/2007 18:14	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-3B
Lab Sample ID: A7387804
Date Collected: 04/17/2007
Time Collected: 14:20

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 23:31	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/20/2007 23:31	SW
Iron - Total	ND		0.050	MG/L	200.7	04/20/2007 23:31	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 23:31	SW
Magnesium - Total	6.1		0.20	MG/L	200.7	04/20/2007 23:31	SW
Manganese - Total	0.0054		0.0030	MG/L	200.7	04/20/2007 23:31	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 23:31	SW
Sodium - Total	62.8		1.0	MG/L	200.7	04/20/2007 23:31	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 23:31	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/20/2007 23:31	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	81.4		10	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-3B
Lab Sample ID: A7388304
Date Collected: 04/17/2007
Time Collected: 14:20

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.3		2.50000	MG/L	6010	04/24/2007 18:19	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-4B
Lab Sample ID: A7389901
Date Collected: 04/18/2007
Time Collected: 07:40

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 15:34	SW
Chromium - Total	0.24		0.0040	MG/L	200.7	04/20/2007 15:34	SW
Iron - Total	1.0		0.050	MG/L	200.7	04/20/2007 15:34	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 15:34	SW
Magnesium - Total	43.6		0.20	MG/L	200.7	04/20/2007 15:34	SW
Manganese - Total	0.017		0.0030	MG/L	200.7	04/20/2007 15:34	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 15:34	SW
Sodium - Total	86.0		1.0	MG/L	200.7	04/20/2007 15:34	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 15:34	SW
Zinc - Total	0.025		0.010	MG/L	200.7	04/20/2007 15:34	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	226		11.0	UG/L	7196A	04/18/2007 10:45	RMM
Sulfate	170		10	MG/L	300.0	04/20/2007 15:40	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/20/2007 14:03	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-4B
Lab Sample ID: A7390001
Date Collected: 04/18/2007
Time Collected: 07:40

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.7		2.50000	MG/L	6010	04/24/2007 18:57	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-5B
Lab Sample ID: A7389902
Date Collected: 04/18/2007
Time Collected: 08:00

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 15:39	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/20/2007 15:39	SW
Iron - Total	0.88		0.050	MG/L	200.7	04/20/2007 15:39	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 15:39	SW
Magnesium - Total	75.8		0.20	MG/L	200.7	04/20/2007 15:39	SW
Manganese - Total	0.024		0.0030	MG/L	200.7	04/20/2007 15:39	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/20/2007 15:39	SW
Sodium - Total	48.7		1.0	MG/L	200.7	04/20/2007 15:39	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 15:39	SW
Zinc - Total	0.070		0.010	MG/L	200.7	04/20/2007 15:39	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/18/2007 10:45	RMM
Sulfate	184		10	MG/L	300.0	04/20/2007 15:40	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/20/2007 14:03	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-5B
Lab Sample ID: A7390002
Date Collected: 04/18/2007
Time Collected: 08:00

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	9.2		2.50000	MG/L	6010	04/24/2007 19:01	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-6B
Lab Sample ID: A7387805
Date Collected: 04/17/2007
Time Collected: 15:25

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:09	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/21/2007 00:09	SW
Iron - Total	0.45		0.050	MG/L	200.7	04/21/2007 00:09	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:09	SW
Magnesium - Total	92.3		0.20	MG/L	200.7	04/21/2007 00:09	SW
Manganese - Total	0.18		0.0030	MG/L	200.7	04/21/2007 00:09	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:09	SW
Sodium - Total	52.9		1.0	MG/L	200.7	04/21/2007 00:09	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:09	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:09	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	225		10	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-6B
Lab Sample ID: A7388305
Date Collected: 04/17/2007
Time Collected: 15:25

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	6.5		2.50000	MG/L	6010	04/24/2007 18:24	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-7B
Lab Sample ID: A7387806
Date Collected: 04/17/2007
Time Collected: 16:50

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:14	SW
Chromium - Total	0.021		0.0040	MG/L	200.7	04/21/2007 00:14	SW
Iron - Total	0.58		0.050	MG/L	200.7	04/21/2007 00:14	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:14	SW
Magnesium - Total	9.8		0.20	MG/L	200.7	04/21/2007 00:14	SW
Manganese - Total	0.037		0.0030	MG/L	200.7	04/21/2007 00:14	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:14	SW
Sodium - Total	56.3		1.0	MG/L	200.7	04/21/2007 00:14	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:14	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:14	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	38.5		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-7B
Lab Sample ID: A7388306
Date Collected: 04/17/2007
Time Collected: 16:50

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.9		2.50000	MG/L	6010	04/24/2007 18:28	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-8B
Lab Sample ID: A7389903
Date Collected: 04/18/2007
Time Collected: 08:10

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/20/2007 15:44	SW
Chromium - Total	0.28		0.0040	MG/L	200.7	04/20/2007 15:44	SW
Iron - Total	1.3		0.050	MG/L	200.7	04/20/2007 15:44	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/20/2007 15:44	SW
Magnesium - Total	66.2		0.20	MG/L	200.7	04/20/2007 15:44	SW
Manganese - Total	0.14		0.0030	MG/L	200.7	04/20/2007 15:44	SW
Selenium - Total	0.086		0.015	MG/L	200.7	04/20/2007 15:44	SW
Sodium - Total	106		1.0	MG/L	200.7	04/20/2007 15:44	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/20/2007 15:44	SW
Zinc - Total	0.058		0.010	MG/L	200.7	04/20/2007 15:44	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	316		11.0	UG/L	7196A	04/18/2007 10:45	RMM
Sulfate	316		10	MG/L	300.0	04/20/2007 15:40	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/20/2007 14:03	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-MW-8B
Lab Sample ID: A7390003
Date Collected: 04/18/2007
Time Collected: 08:10

Date Received: 04/18/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	7.9		2.50000	MG/L	6010	04/24/2007 19:11	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-RB-01
Lab Sample ID: A7387807
Date Collected: 04/17/2007
Time Collected: 14:30

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:19	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/21/2007 00:19	SW
Iron - Total	ND		0.050	MG/L	200.7	04/21/2007 00:19	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:19	SW
Magnesium - Total	1.2		0.20	MG/L	200.7	04/21/2007 00:19	SW
Manganese - Total	ND		0.0030	MG/L	200.7	04/21/2007 00:19	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:19	SW
Sodium - Total	3.7		1.0	MG/L	200.7	04/21/2007 00:19	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:19	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:19	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	5.1		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-RB-01
Lab Sample ID: A7388307
Date Collected: 04/17/2007
Time Collected: 14:30

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.6		2.50000	MG/L	6010	04/24/2007 16:11	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-01
Lab Sample ID: A7387808
Date Collected: 04/17/2007
Time Collected: 15:40

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:24	SW
Chromium - Total	0.0064		0.0040	MG/L	200.7	04/21/2007 00:24	SW
Iron - Total	0.16		0.050	MG/L	200.7	04/21/2007 00:24	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:24	SW
Magnesium - Total	14.4		0.20	MG/L	200.7	04/21/2007 00:24	SW
Manganese - Total	0.0059		0.0030	MG/L	200.7	04/21/2007 00:24	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:24	SW
Sodium - Total	12.0		1.0	MG/L	200.7	04/21/2007 00:24	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:24	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:24	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	26.9		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:52	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-01
Lab Sample ID: A7388308
Date Collected: 04/17/2007
Time Collected: 15:40

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	1.1	J	2.50000	MG/L	6010	04/24/2007 18:33	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-02
Lab Sample ID: A7387809
Date Collected: 04/17/2007
Time Collected: 15:35

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:29	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/21/2007 00:29	SW
Iron - Total	0.10		0.050	MG/L	200.7	04/21/2007 00:29	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:29	SW
Magnesium - Total	14.9		0.20	MG/L	200.7	04/21/2007 00:29	SW
Manganese - Total	0.0030		0.0030	MG/L	200.7	04/21/2007 00:29	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:29	SW
Sodium - Total	10.7		1.0	MG/L	200.7	04/21/2007 00:29	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:29	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:29	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	28.4		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 15:58	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-02
Lab Sample ID: A7388309
Date Collected: 04/17/2007
Time Collected: 15:35

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	1.1	J	2.50000	MG/L	6010	04/24/2007 18:38	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-03
Lab Sample ID: A7387810
Date Collected: 04/17/2007
Time Collected: 15:28

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:35	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/21/2007 00:35	SW
Iron - Total	0.066		0.050	MG/L	200.7	04/21/2007 00:35	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:35	SW
Magnesium - Total	16.3		0.20	MG/L	200.7	04/21/2007 00:35	SW
Manganese - Total	ND		0.0030	MG/L	200.7	04/21/2007 00:35	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:35	SW
Sodium - Total	2.6		1.0	MG/L	200.7	04/21/2007 00:35	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:35	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:35	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	13.6		10	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 17:03	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SS-03
Lab Sample ID: A7388310
Date Collected: 04/17/2007
Time Collected: 15:28

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	3.7		2.50000	MG/L	6010	04/24/2007 18:52	SUB

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SWB-01
Lab Sample ID: A7387811
Date Collected: 04/17/2007
Time Collected: 14:00

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Cadmium - Total	ND		0.0010	MG/L	200.7	04/21/2007 00:40	SW
Chromium - Total	ND		0.0040	MG/L	200.7	04/21/2007 00:40	SW
Iron - Total	ND		0.050	MG/L	200.7	04/21/2007 00:40	SW
Lead - Total	ND		0.0050	MG/L	200.7	04/21/2007 00:40	SW
Magnesium - Total	1.2		0.20	MG/L	200.7	04/21/2007 00:40	SW
Manganese - Total	ND		0.0030	MG/L	200.7	04/21/2007 00:40	SW
Selenium - Total	ND		0.015	MG/L	200.7	04/21/2007 00:40	SW
Sodium - Total	3.8		1.0	MG/L	200.7	04/21/2007 00:40	SW
Thallium - Total	ND		0.020	MG/L	200.7	04/21/2007 00:40	SW
Zinc - Total	ND		0.010	MG/L	200.7	04/21/2007 00:40	SW
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	04/19/2007 09:18	ERK
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	04/17/2007 19:00	SM
Sulfate	5.1		2.0	MG/L	300.0	04/20/2007 14:24	AEG
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	04/18/2007 17:03	RLG

Airco - Niagara Falls
Airco Parcel, Niagara Falls (GW Monitoring)

Sample ID: AP-SWB-01
Lab Sample ID: A7388311
Date Collected: 04/17/2007
Time Collected: 14:00

Date Received: 04/17/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Silicon - Total	4.2		2.50000	MG/L	6010	04/24/2007 16:16	SUB

Batch Quality Control Data

Lab Sample ID: A7379303 A7379303MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 300.0 - FLUORIDE,SOLUBLE - RL= 0.05 MG	MG/L	0.100	2.66	2.50	102	77-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7384202 A7384202MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	18.73	43.98	25.00	101	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7384402 A7384402MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0	0.220	0.200	110	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7384509 A7384509MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS						
9066 - PHENOLS/LR - 0.01 MG/L	MG/L	0	0.100	0.100	100	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7387805 A7387805MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	0	0.0941	0.100	94	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7387806 A7387806MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.244	0.452	0.200	104	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7387807 A7387807MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	5.12	28.27	25.00	93	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7387811 A7387811MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	51.00	50.00	102	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7388701 A7388701MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE	MG/L	17.28	43.39	25.00	104	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7388704 A7388704MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM	MG/L	0	0.0490	0.0500	98	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7389602 A7389602MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.0266	0.241	0.200	107	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7390902 A7390902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE BY IC	MG/L	7.84	29.94	25.00	88	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7392406 A7392406MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS EPA 350.1 - AMMONIA NITROGEN, 0.01 MG/	MG/L-N	0.113	0.300	0.200	94	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7392504 A7392504MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS EPA 350.1 - AMMONIA NITROGEN, 0.01 MG/	MG/L-N	0.0166	0.178	0.200	81	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7393101 A7393101MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.00650	0.214	0.200	104	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7395207 A7395207MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	6.38	31.83	25.00	102	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7395509 A7395509MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - CHLORIDE	MG/L	10.62	35.20	25.00	98	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 05/01/2007 17:33:09
Batch No: A7B05808

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A7398404 A7398404MS A7398404SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 300.0 - CHLORIDE	MG/L	3.28	27.58	29.39	25.00	25.00	97	104	101	7	20.0	73-114
METHOD 300.0 - SULFATE	MG/L	9.97	32.62	34.91	25.00	25.00	91	100	96	9	20.0	75-125

56/127

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Lab Sample ID: A7400802 A7400802MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD SM4110C - SULFATE	MG/L	57.42	80.87	25.00	94	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7402301 A7402301MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
SM4110C - TOTAL CHLORIDE BY IC - 0.50	MG/L	38.26	56.73	25.00	74	73-114

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID Job No Lab ID Sample Date		Method Blank A07-3899 A7B0571402		Method Blank A07-3878 A7B0577202					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Cadmium - Total	MG/L	ND	0.0010	ND	0.0010	NA		NA	
Chromium - Total	MG/L	ND	0.0040	ND	0.0040	NA		NA	
Iron - Total	MG/L	ND	0.050	ND	0.050	NA		NA	
Lead - Total	MG/L	ND	0.0050	ND	0.0050	NA		NA	
Magnesium - Total	MG/L	ND	0.20	ND	0.20	NA		NA	
Manganese - Total	MG/L	ND	0.0030	ND	0.0030	NA		NA	
Selenium - Total	MG/L	ND	0.015	ND	0.015	NA		NA	
Sodium - Total	MG/L	ND	1.0	ND	1.0	NA		NA	
Thallium - Total	MG/L	ND	0.020	ND	0.020	NA		NA	
Zinc - Total	MG/L	ND	0.010	ND	0.010	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		MBLK		MBLK		Method Blank		Method Blank	
Job No / Lab ID		A07-3878	A7B0564102	A07-3899	A7B0582602	A07-3878	A7B0555202	A07-3899	A7B0559302
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Recoverable Phenolics	UG/L	ND	8.0	ND	8.0	NA		NA	
Hexavalent Chromium - Total	UG/L	NA		NA		ND	11.0	ND	11.0

Client ID		Method Blank		Method Blank		Method Blank			
Job No / Lab ID		A07-3878	A7B0566202	A07-3878	A7B0580702	A07-3899	A7B0580802		
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Ammonia	MG/L-N	ND	9.2	NA		NA		NA	
Sulfate	MG/L	NA		ND	2.0	ND	2.0	NA	

NA = Not Applicable ND = Not Detected

SDG: 3878

Client Sample ID:	AP-MW-3B	AP-MW-3B	AP-MW-3B
Lab Sample ID:	A7387804	A7387804MS	A7387804SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
8 BASELINE METALS												
200.7 TOTAL CADMIUM - W	MG/L	0	0.199	0.199	0.200	0.200	100	100	100	0	20.0	70-130
200.7 TOTAL CHROMIUM - W	MG/L	0.00030	0.198	0.199	0.200	0.200	99	100	100	1	20.0	70-130
200.7 TOTAL IRON	MG/L	0.0175	10.07	10.09	10.0	10.0	100	101	101	1	20.0	70-130
200.7 TOTAL LEAD - W	MG/L	0.00020	0.201	0.202	0.200	0.200	101	101	101	0	20.0	70-130
TOTAL MAGNESIUM	MG/L	6.09	15.87	15.75	10.0	10.0	98	96	97	2	20.0	70-130
TOTAL MANGANESE	MG/L	0.00540	0.209	0.210	0.200	0.200	102	103	103	1	20.0	70-130
TOTAL SELENIUM	MG/L	0.00040	0.207	0.206	0.200	0.200	104	103	104	1	20.0	70-130
TOTAL SODIUM	MG/L	62.84	72.95	71.50	10.0	10.0	101	86	94	16	20.0	70-130
TOTAL THALLIUM	MG/L	0.00140	0.206	0.207	0.200	0.200	102	103	103	1	20.0	70-130
TOTAL ZINC	MG/L	0.00660	0.207	0.209	0.200	0.200	101	101	101	0	20.0	70-130

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0571402 A7B0571401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 BASELINE METALS					
200.7 TOTAL CADMIUM - W	MG/L	0.206	0.200	103	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.199	0.200	100	85-115
200.7 TOTAL IRON	MG/L	10.04	10.0	100	85-115
200.7 TOTAL LEAD - W	MG/L	0.206	0.200	103	85-115
TOTAL MAGNESIUM	MG/L	10.00	10.0	100	85-115
TOTAL MANGANESE	MG/L	0.204	0.200	102	85-115
TOTAL SELENIUM	MG/L	0.217	0.200	108	85-115
TOTAL SODIUM	MG/L	10.27	10.0	103	85-115
TOTAL THALLIUM	MG/L	0.219	0.200	110	85-115
TOTAL ZINC	MG/L	0.211	0.200	105	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0577202 A7B0577201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 BASELINE METALS					
200.7 TOTAL CADMIUM - W	MG/L	0.205	0.200	103	85-115
200.7 TOTAL CHROMIUM - W	MG/L	0.201	0.200	101	85-115
200.7 TOTAL IRON	MG/L	10.20	10.0	102	85-115
200.7 TOTAL LEAD - W	MG/L	0.206	0.200	103	85-115
TOTAL MAGNESIUM	MG/L	9.92	10.0	99	85-115
TOTAL MANGANESE	MG/L	0.206	0.200	103	85-115
TOTAL SELENIUM	MG/L	0.211	0.200	106	85-115
TOTAL SODIUM	MG/L	9.91	10.0	99	85-115
TOTAL THALLIUM	MG/L	0.210	0.200	105	85-115
TOTAL ZINC	MG/L	0.209	0.200	103	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: AP-MW-6B AP-MW-6B
Lab Sample ID: A7387805 A7387805MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	0	0.0941	0.100	94	60-143

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: AP-MW-7B AP-MW-7B
Lab Sample ID: A7387806 A7387806MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.244	0.452	0.200	104	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: AP-RB-01 AP-RB-01
Lab Sample ID: A7387807 A7387807MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	5.12	28.27	25.00	93	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: AP-SWB-01 AP-SWB-01
Lab Sample ID: A7387811 A7387811MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	51.00	50.00	102	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878

Client Sample ID:	MBLK	LCS
Lab Sample ID:	A7B0564102	A7B0564101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	551.0	551.0	100	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: MBLK LCS
Lab Sample ID: A7B0582602 A7B0582601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	640.0	546.0	117	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0555202 A7B0555201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	52.00	50.00	104	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0559302 A7B0559301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	51.00	50.00	102	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878

Client Sample ID: Method Blank
Lab Sample ID: A7B0566202

LCS
A7B0566201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.755	0.750	101	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878
Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0580702 A7B0580701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	9.85	10.0	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 3878

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0580802 A7B0580801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 300.0 - SULFATE BY IC	MG/L	19.54	20.00	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7387801	AP-DUP-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/20 23:15	SW	Y	WATER
A7388301	AP-DUP-01	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07	04/17 17:50	NA		04/24 18:05	SUB	Y	WATER
A7387802	AP-MW-1B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/20 23:20	SW	Y	WATER
A7388302	AP-MW-1B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 11:05	04/17 17:50	NA		04/24 18:09	SUB	Y	WATER
A7387803	AP-MW-2B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/20 23:26	SW	Y	WATER
A7388303	AP-MW-2B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 12:15	04/17 17:50	NA		04/24 18:14	SUB	Y	WATER
A7387804	AP-MW-3B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/20 23:31	SW	Y	WATER
A7388304	AP-MW-3B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 14:20	04/17 17:50	NA		04/24 18:19	SUB	Y	WATER
A7389901	AP-MW-4B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7389901	AP-MW-4B	RECNY	Sodium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/20 15:34	SW	Y	WATER
A7390001	AP-MW-4B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/18/07 07:40	04/18 11:00	NA		04/24 18:57	SUB	Y	WATER
A7389902	AP-MW-5B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/20 15:39	SW	Y	WATER
A7390002	AP-MW-5B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/18/07 08:00	04/18 11:00	NA		04/24 19:01	SUB	Y	WATER
A7387805	AP-MW-6B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/21 00:09	SW	Y	WATER
A7388305	AP-MW-6B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 15:25	04/17 17:50	NA		04/24 18:24	SUB	Y	WATER
A7387806	AP-MW-7B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/21 00:14	SW	Y	WATER
A7388306	AP-MW-7B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 16:50	04/17 17:50	NA		04/24 18:28	SUB	Y	WATER
A7389903	AP-MW-8B	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7389903	AP-MW-8B	RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/20 15:44	SW	Y	WATER
A7390003	AP-MW-8B	RECNY	Silicon - Total	6010	1.0	0.05	L	04/18/07 08:10	04/18 11:00	NA		04/24 19:11	SUB	Y	WATER
A7387807	AP-RB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/21 00:19	SW	Y	WATER
A7388307	AP-RB-01	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 14:30	04/17 17:50	NA		04/24 16:11	SUB	Y	WATER
A7387808	AP-SS-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/21 00:24	SW	Y	WATER
A7388308	AP-SS-01	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 15:40	04/17 17:50	NA		04/24 18:33	SUB	Y	WATER
A7387809	AP-SS-02	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/21 00:29	SW	Y	WATER
A7388309	AP-SS-02	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 15:35	04/17 17:50	NA		04/24 18:38	SUB	Y	WATER
A7387810	AP-SS-03	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/21 00:35	SW	Y	WATER
A7388310	AP-SS-03	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 15:28	04/17 17:50	NA		04/24 18:52	SUB	Y	WATER
A7387811	AP-SWB-01	RECNY	Selenium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7387811	AP-SWB-01	RECNY	Lead - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/21 00:40	SW	Y	WATER
A7388311	AP-SWB-01	RECNY	Silicon - Total	6010	1.0	0.05	L	04/17/07 14:00	04/17 17:50	NA		04/24 16:16	SUB	Y	WATER

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AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0571402	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 14:52	SW	Y	WATER
A7B0577202	Method Blank	RECNY	Selenium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Lead - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Magnesium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Manganese - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Sodium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Cadmium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER
		RECNY	Thallium - Total	200.7	1.0	0.05 L	-	-	NA		04/20 22:48	SW	Y	WATER

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ANL INI = Analyst Initials
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AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7387801	AP-DUP-01	RECNY	Sulfate	300.0	1.0			04/17/07	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	2.0			04/17/07	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387802	AP-MW-1B	RECNY	Sulfate	300.0	5.0			04/17/07 11:05	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 11:05	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 11:05	04/17 17:50	NA		04/20 14:02	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 11:05	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387803	AP-MW-2B	RECNY	Sulfate	300.0	1.0			04/17/07 12:15	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	2.0			04/17/07 12:15	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 12:15	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 12:15	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387804	AP-MW-3B	RECNY	Sulfate	300.0	5.0			04/17/07 14:20	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 14:20	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 14:20	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 14:20	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7389901	AP-MW-4B	RECNY	Sulfate	300.0	5.0			04/18/07 07:40	04/18 11:00	NA		04/20 15:40	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/18/07 07:40	04/18 11:00	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/18/07 07:40	04/18 11:00	NA		04/20 14:03	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/18/07 07:40	04/18 11:00	NA		04/18 10:45	RMM	Y	WATER
A7389902	AP-MW-5B	RECNY	Sulfate	300.0	5.0			04/18/07 08:00	04/18 11:00	NA		04/20 15:40	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/18/07 08:00	04/18 11:00	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/18/07 08:00	04/18 11:00	NA		04/20 14:03	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/18/07 08:00	04/18 11:00	NA		04/18 10:45	RMM	Y	WATER
A7387805	AP-MW-6B	RECNY	Sulfate	300.0	5.0			04/17/07 15:25	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 15:25	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 15:25	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 15:25	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387806	AP-MW-7B	RECNY	Sulfate	300.0	1.0			04/17/07 16:50	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 16:50	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 16:50	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 16:50	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7389903	AP-MW-8B	RECNY	Sulfate	300.0	5.0			04/18/07 08:10	04/18 11:00	NA		04/20 15:40	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/18/07 08:10	04/18 11:00	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/18/07 08:10	04/18 11:00	NA		04/20 14:03	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/18/07 08:10	04/18 11:00	NA		04/18 10:45	RMM	Y	WATER
A7387807	AP-RB-01	RECNY	Sulfate	300.0	1.0			04/17/07 14:30	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 14:30	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 14:30	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 14:30	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387808	AP-SS-01	RECNY	Sulfate	300.0	1.0			04/17/07 15:40	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 15:40	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 15:40	04/17 17:50	NA		04/18 15:52	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 15:40	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387809	AP-SS-02	RECNY	Sulfate	300.0	1.0			04/17/07 15:35	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 15:35	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 15:35	04/17 17:50	NA		04/18 15:58	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 15:35	04/17 17:50	NA		04/17 19:00	SM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7387810	AP-SS-03	RECNY	Sulfate	300.0	5.0			04/17/07 15:28	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 15:28	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 15:28	04/17 17:50	NA		04/18 17:03	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 15:28	04/17 17:50	NA		04/17 19:00	SM	Y	WATER
A7387811	AP-SWB-01	RECNY	Sulfate	300.0	1.0			04/17/07 14:00	04/17 17:50	NA		04/20 14:24	AEG	Y	WATER
		RECNY	Ammonia	350.1	1.0			04/17/07 14:00	04/17 17:50	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			04/17/07 14:00	04/17 17:50	NA		04/18 17:03	RLG	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	04/17/07 14:00	04/17 17:50	NA		04/17 19:00	SM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (GW MONITORING)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0564102	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		04/18 15:16	RLG	Y	WATER
A7B0582602	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		04/20 13:36	RLG	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			-	-	NA		04/20 13:36	RLG	Y	WATER
A7B0555202	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		04/17 19:00	SM	Y	WATER
A7B0559302	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		04/18 10:45	RMM	Y	WATER
A7B0566202	Method Blank	RECNY	Ammonia	350.1	1.0			-	-	NA		04/19 09:18	ERK	Y	WATER
		RECNY	Ammonia	350.1	1.0			-	-	NA		04/19 09:18	ERK	Y	WATER
A7B0580702	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		04/20 14:24	AEG	Y	WATER
A7B0580802	Method Blank	RECNY	Sulfate	300.0	1.0			-	-	NA		04/20 15:40	AEG	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Chip McLeod - Greenstar	Project Manager: Chip McLeod	Date: 04/18/07	Chain of Custody Number: 284528
Address: 6 Gellatly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944/9955	Lab Number:	Page 1 of 1
City: Wappingers Falls; State: NY; Zip Code: 12590	Site Contact:	Lab Contact: JRK	
Project Name and Location (State): Airco Parcel, Niagara Falls, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: me	TSi	SO4	Cr+6 WQ	Ammonia	TPHENOLS	Special Instructions/ Conditions of Receipt
AP-MW-4B	04/18/07	0740		X			1	2	2				X	X	X	X	X	X	
AP-MW-5B	"	0800		X			1	2	2				X	X	X	X	X	X	
AP-MW-8B	"	0810		X			1	2	2				X	X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ 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 Cr+6 ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: S. Bell	04/18/07	1100	1. Received By: D. C	4/18/07	1100
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.0°C

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

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Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Chip McLeod - Greenstar	Project Manager: Chip McLeod	Date: 04/17/07	Chain of Custody Number: 284529
Address: 6 Gellatly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944/9455	Lab Number:	Page 1 of 1
City: Wappingers Falls / State: NY / Zip Code: 12590	Site Contact:	Lab Contact: JRK	
Project Name and Location (State): Airco Parcel, Niagara Falls NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ME	T-Si	SO4	Cr+6 WQ	Ammonia	TPHENOLS	Special Instructions/ Conditions of Receipt
AP-MW-1B	04/17/07	1105		X			1	2	2				X	X	X	X	X	X	
AP-MW-2B		1215		X			1	2	2				X	X	X	X	X	X	
AP-MW-3B		1420		X			1	2	2				X	X	X	X	X	X	
AP-MW-6B		1525		X			1	2	2				X	X	X	X	X	X	
AP-MW-7B		1650		X			1	2	2				X	X	X	X	X	X	
AP-DUP-01		0000		X			1	2	2				X	X	X	X	X	X	
AP-SWB-01		1400		X			1	2	2				X	X	X	X	X	X	
AP-RB-01		1430		X			1	2	2				X	X	X	X	X	X	
AP-SS-01		1540		X			1	2	2				X	X	X	X	X	X	
AP-SS-02		1535		X			1	2	2				X	X	X	X	X	X	
AP-SS-03		1528		X			1	2	2				X	X	X	X	X	X	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ 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 (CR+6) ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: S. Bruce	04/17/07		1. Received By: Andrew Szymanski	04.17.07	1750
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: Process CR+6 Analysis on AP-DUP-01 First. 4.0°C

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

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 220-1380-1

SDG Number: 220-1380

Job Description: NY5A9582

For:
Severn Trent Laboratories, Inc.
10 Hazelwood Drive
Amherst, NY 14228-2298

Attention: Mr. Jason Kacalski

Mary Widomski

Mary Widomski
mwidomski@stl-inc.com
04/27/2007

Project Manager: Paul Hobart

STL Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Case Narrative For Job: 220-J1380-1

Client: Severn Trent Laboratories, Inc.
Date: April 26, 2007

All analyses for this report met Method Criteria and Standard Operating Procedures.

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

Peter Frick
Peter Frick
Laboratory Director

April 26, 2007
Date

METHOD SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL CT	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL CT		SW846 3010A

LAB REFERENCES:

STL CT = STL Connecticut

METHOD REFERENCES:

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

METHOD / ANALYST SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Method	Analyst	Analyst ID
SW846 6010B	Petronchak, Nestor	NP

SAMPLE SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-1380-1	AP-DUP-01	Water	04/17/2007 0000	04/19/2007 0920
220-1380-2	AP-MW-1B	Water	04/17/2007 1105	04/19/2007 0920
220-1380-3	AP-MW-2B	Water	04/17/2007 1215	04/19/2007 0920
220-1380-4	AP-MW-3B	Water	04/17/2007 1420	04/19/2007 0920
220-1380-5	AP-MW-6B	Water	04/17/2007 1525	04/19/2007 0920
220-1380-6	AP-MW-7B	Water	04/17/2007 1650	04/19/2007 0920
220-1380-7RB	AP-RB-01	Water	04/17/2007 1430	04/19/2007 0920
220-1380-8	AP-SS-01	Water	04/17/2007 1540	04/19/2007 0920
220-1380-9	AP-SS-02	Water	04/17/2007 1535	04/19/2007 0920
220-1380-10	AP-SS-03	Water	04/17/2007 1528	04/19/2007 0920
220-1380-11	AP-SWB-01	Water	04/17/2007 1400	04/19/2007 0920

SAMPLE RESULTS

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-DUP-01

Lab Sample ID: 220-1380-1
Client Matrix: Water

Date Sampled: 04/17/2007 0000
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1805
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	740	J	500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-MW-1B

Lab Sample ID: 220-1380-2
Client Matrix: Water

Date Sampled: 04/17/2007 1105
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1809
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	9100		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-MW-2B

Lab Sample ID: 220-1380-3
Client Matrix: Water

Date Sampled: 04/17/2007 1215
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1814
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	800	J	500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-MW-3B

Lab Sample ID: 220-1380-4
Client Matrix: Water

Date Sampled: 04/17/2007 1420
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1819
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	7300		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-MW-6B

Lab Sample ID: 220-1380-5
Client Matrix: Water

Date Sampled: 04/17/2007 1525
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1824
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	6500		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-MW-7B

Lab Sample ID: 220-1380-6
Client Matrix: Water

Date Sampled: 04/17/2007 1650
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1828
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	4900		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-RB-01

Lab Sample ID: 220-1380-7RB
Client Matrix: Water

Date Sampled: 04/17/2007 1430
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1611
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	4600		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-SS-01

Lab Sample ID: 220-1380-8
Client Matrix: Water

Date Sampled: 04/17/2007 1540
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1833
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	1100	J	500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-SS-02

Lab Sample ID: 220-1380-9
Client Matrix: Water

Date Sampled: 04/17/2007 1535
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1838
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	1100	J	500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-SS-03

Lab Sample ID: 220-1380-10
Client Matrix: Water

Date Sampled: 04/17/2007 1528
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1852
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	3700		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Client Sample ID: AP-SWB-01

Lab Sample ID: 220-1380-11
Client Matrix: Water

Date Sampled: 04/17/2007 1400
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1616
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	4200		500	2500

DATA REPORTING QUALIFIERS

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Lab Section	Qualifier	Description
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Quality Control Results

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-5415					
LCS 220-5415/2-AA	Lab Control Spike	T	Water	3010A	
MB 220-5415/1-AA	Method Blank	T	Water	3010A	
220-1380-1	AP-DUP-01	T	Water	3010A	
220-1380-2	AP-MW-1B	T	Water	3010A	
220-1380-3	AP-MW-2B	T	Water	3010A	
220-1380-4	AP-MW-3B	T	Water	3010A	
220-1380-5	AP-MW-6B	T	Water	3010A	
220-1380-6	AP-MW-7B	T	Water	3010A	
220-1380-7RB	AP-RB-01	T	Water	3010A	
220-1380-8	AP-SS-01	T	Water	3010A	
220-1380-9	AP-SS-02	T	Water	3010A	
220-1380-10	AP-SS-03	T	Water	3010A	
220-1380-11	AP-SWB-01	T	Water	3010A	
220-1380-11DU	Duplicate	T	Water	3010A	
Analysis Batch:220-5469					
LCS 220-5415/2-AA	Lab Control Spike	T	Water	6010B	220-5415
MB 220-5415/1-AA	Method Blank	T	Water	6010B	220-5415
220-1380-1	AP-DUP-01	T	Water	6010B	220-5415
220-1380-2	AP-MW-1B	T	Water	6010B	220-5415
220-1380-3	AP-MW-2B	T	Water	6010B	220-5415
220-1380-4	AP-MW-3B	T	Water	6010B	220-5415
220-1380-5	AP-MW-6B	T	Water	6010B	220-5415
220-1380-6	AP-MW-7B	T	Water	6010B	220-5415
220-1380-7RB	AP-RB-01	T	Water	6010B	220-5415
220-1380-8	AP-SS-01	T	Water	6010B	220-5415
220-1380-9	AP-SS-02	T	Water	6010B	220-5415
220-1380-10	AP-SS-03	T	Water	6010B	220-5415
220-1380-11	AP-SWB-01	T	Water	6010B	220-5415
220-1380-11DU	Duplicate	T	Water	6010B	220-5415

Report Basis
T = Total

Quality Control Results

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Method Blank - Batch: 220-5415

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 220-5415/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/24/2007 1556
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Si	500	U	100	500

Duplicate - Batch: 220-5415

Method: 6010B
Preparation: 3010A

Lab Sample ID: 220-1380-11
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 04/24/2007 1620
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Si	4200	4270	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Date: 04/18/2007
Time: 08:00:01

1380

STL Buffalo
Internal Chain of Custody

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 214

PM: Jason R. Kacalski
Due Date: 04/27/2007
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-DUP-01	A7388301	WATER	T SI	1-8ozP	04/17/2007
AP-MW-1B	A7388302	WATER	T SI	1-8ozP	04/17/2007 11:05
AP-MW-2B	A7388303	WATER	T SI	1-8ozP	04/17/2007 12:15
AP-MW-3B	A7388304	WATER	T SI	1-8ozP	04/17/2007 14:20
AP-MW-6B	A7388305	WATER	T SI	1-8ozP	04/17/2007 15:25
AP-MW-7B	A7388306	WATER	T SI	1-8ozP	04/17/2007 16:50
AP-RB-01	A7388307	WATER	T SI	1-8ozP	04/17/2007 14:30
AP-SS-01	A7388308	WATER	T SI	1-8ozP	04/17/2007 15:40
AP-SS-02	A7388309	WATER	T SI	1-8ozP	04/17/2007 15:35
AP-SS-03	A7388310	WATER	T SI	1-8ozP	04/17/2007 15:28
AP-SWB-01	A7388311	WATER	T SI	1-8ozP	04/17/2007 14:00

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	4/19/2007		(3)	4/19/2007	9:20
(2)	/ /20		(4)	/ /20	

"PASSED RAD SCREEN"
0.4°C

STL/CT PRESERVATIVE RECORD

Job Number:
Client:
Client Project:

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
220-1380-01	HNO3	<2	N/A	N/A	N/A	KB	4/19/07
02		<2					
03		<2					
04		<2					
05		<2					
06		<2					
07		<2					
08		<2					
09		<2					
10		<2					
220-1380-11	HNO3	<2	N/A	N/A	N/A	KB	4/19/07

KBlum 4/9/07

STL Form# SMF00203.CT

STL - Connecticut
Internal Chain-of-Custody

220-1380
Buffalo - Silicon

Trip Blank:___

QC:— Air: —

FB:—

Soil:— Water: 1-11

Date Received: 4/19/07

Sample #s: 01-11

Locations: 91C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-11		BC	4/23	1000	mdl	SMI		4/24	0930

STL Form# SMF00507.CT

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1380-1
Sdg Number: 220-1380

Login Number: 1380

Question	T/F/NA	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	
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	
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	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 220-1381-1

SDG Number: 220-1381

Job Description: NY5A9582

For:
Severn Trent Laboratories, Inc.
10 Hazelwood Drive
Amherst, NY 14228-2298

Attention: Mr. Jason Kacalski

Mary Widomski

Mary Widomski
mwidomski@stl-inc.com
04/27/2007

Project Manager: Paul Hobart

STL Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Case Narrative for Job: 220-J1381-1

Client: Severn Trent Laboratories, Inc.-Buffalo
Date: April 27, 2007

All analyses for this report met Method Criteria and Standard Operating Procedures.

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

Peter Frick
Laboratory Director

April 27, 2007
Date

METHOD SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL CT	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL CT		SW846 3010A

LAB REFERENCES:

STL CT = STL Connecticut

METHOD REFERENCES:

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

METHOD / ANALYST SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Method	Analyst	Analyst ID
SW846 6010B	Petronchak, Nestor	NP

SAMPLE SUMMARY

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-1381-1	AP-MW-4B	Water	04/18/2007 0740	04/19/2007 0920
220-1381-2	AP-MW-5B	Water	04/18/2007 0800	04/19/2007 0920
220-1381-3	AP-MW-8B	Water	04/18/2007 0810	04/19/2007 0920

SAMPLE RESULTS

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Client Sample ID: AP-MW-4B

Lab Sample ID: 220-1381-1
Client Matrix: Water

Date Sampled: 04/18/2007 0740
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1857
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	7700		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Client Sample ID: AP-MW-5B

Lab Sample ID: 220-1381-2
Client Matrix: Water

Date Sampled: 04/18/2007 0800
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1901
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	9200		500	2500

Analytical Data

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Client Sample ID: AP-MW-8B

Lab Sample ID: 220-1381-3
Client Matrix: Water

Date Sampled: 04/18/2007 0810
Date Received: 04/19/2007 0920

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 04/24/2007 1911
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415

Instrument ID: TJA Trace ICAP
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Si	7900		500	2500

DATA REPORTING QUALIFIERS

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Lab Section	Qualifier	Description
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Quality Control Results

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-5415					
LCS 220-5415/2-AA	Lab Control Spike	T	Water	3010A	
MB 220-5415/1-AA	Method Blank	T	Water	3010A	
220-1381-1	AP-MW-4B	T	Water	3010A	
220-1381-2	AP-MW-5B	T	Water	3010A	
220-1381-3	AP-MW-8B	T	Water	3010A	
Analysis Batch:220-5469					
LCS 220-5415/2-AA	Lab Control Spike	T	Water	6010B	220-5415
MB 220-5415/1-AA	Method Blank	T	Water	6010B	220-5415
220-1381-1	AP-MW-4B	T	Water	6010B	220-5415
220-1381-2	AP-MW-5B	T	Water	6010B	220-5415
220-1381-3	AP-MW-8B	T	Water	6010B	220-5415

Report Basis
T = Total

Quality Control Results

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Method Blank - Batch: 220-5415

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 220-5415/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/24/2007 1556
Date Prepared: 04/23/2007 1511

Analysis Batch: 220-5469
Prep Batch: 220-5415
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W042407
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Si	500	U	100	500

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Greenstar Environmental Solutions, LLC
Project: NY5A9582
Quote: NY05-605
SM #: 217

PM: Jason R. Kacalski
Due Date: 04/30/2007
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
AP-MW-4B (1)	A7390001	WATER	T SI	1-8ozP	04/18/2007 07:40
AP-MW-5B (2)	A7390002	WATER	T SI	1-8ozP	04/18/2007 08:00
AP-MW-8B (3)	A7390003	WATER	T SI	1-8ozP	04/18/2007 08:10

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - CT (Shelton): Signature(s)	Date	Time
(1)	4/18/2007	1800	(3)	4/19/2007	9:20
(2)	/ /20		(4)	/ /20	

220-1381

"PASSED RAD SCREEN"
0.4°C

STL/CT PRESERVATIVE RECORD

Job Number: 220-1381
Client: BAFalo
Client Project: TSi

Lab Number	Preservative	pH	Adjustment	PH after Adjustment	Chlorine Residual	Initials	Date
220-1381-01	HNO_3	L2	N/A	N/A	N/A	TD	4/19/07
220-1381-02	HNO_3	L2	N/A	N/A	N/A	TD	4/19/07
220-1381-03	HNO_3	L2	N/A	N/A	N/A	TD	4/19/07

4/19/07

STL Form# SMF00203.CT

220-1381
Buffalo / T S.

STL - Connecticut
Internal Chain-of-Custody

Trip Blank: ~

QC: ~ Air: ~

FB: ~

Soil: ✓ Water: #1-3

Date Received: 4/19/07

Sample #s: 1-3

Locations: 91C

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-B		BC	4/23	1000	MDL	Sm F		4/24	0930

STL Form# SMF00507.CT

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Severn Trent Laboratories, Inc.

Job Number: 220-1381-1
Sdg Number: 220-1381

Login Number: 1381

Question	T/F/NA	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	0.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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	
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	

Attachment E

Landfill Cap Inspection Checklists
March and June 2007

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

Personnel:	Chip McLeod – Greenstar Engineering, PC
Date:	1st Quarter Inspection (20 March 2007)
Weather:	Sunny, Windy, 37 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:**
   None noted.
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):**
   Monitoring wells should be sanded, primed and painted.
6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   Some sedimentation noted in the swales, but nothing that is impeding flow or requires maintenance at this time.
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:**
   Roads are in good shape. Vegetation is taking over the roads, but no need to use herbicides. Roads are still usable. Roads will be scarified in July to maintain access.

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

Personnel:	Chip McLeod - Greenstar Engineering, PC
Date:	2nd Quarter Inspection (8 June 2007)
Weather:	Sunny, 75 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:**

   One location noted. Ponded water from tire depressions near the GCTS engineered wetland outfall. Top soil will be added in October 2007.

3. **Identification of stressed vegetation:**
   None noted.

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):**
   Monitoring wells should be sanded, primed and painted.

6. **Inspection of stormwater drainage swales for erosion, sloughing, or flow-through:**
   Inspection of the GCTS identified sloughing of the sidewalls of the ponds. Alternatives to repair the ponds are being evaluated and a modification to the system in 2007 will be preformed to address this issue.

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:**
   Roads are in good shape. Vegetation is taking over the roads, but no need to use herbicides. Roads are still usable. Roads will be scarified in July to maintain access.

Attachment F

Laboratory Analytical Results for GCTS Discharge Sampling March and June 2007

ANALYTICAL REPORT

Job#: A07-2041

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

03/15/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7204101	AP-EWE-01	WATER	03/06/2007	12:45	03/06/2007	15:30
A7204102	AP-INF-01	WATER	03/06/2007	14:00	03/06/2007	15:30
A7204103	TRIP BLANK	WATER	03/06/2007		03/06/2007	15:30

METHODS SUMMARY

Job#: A07-2041

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD		
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136	624	
Barium - Total	MCAWW	200.7	
Chromium - Total	MCAWW	200.7	
Copper - Total	MCAWW	200.7	
Iron - Total	MCAWW	200.7	
Nickel - Total	MCAWW	200.7	
Selenium - Total	MCAWW	200.8	
Thallium - Total	MCAWW	200.8	
Zinc - Total	MCAWW	200.7	
Ammonia	MCAWW	350.1	*
Biochemical Oxygen Demand	MCAWW	405.1	
Chemical Oxygen Demand	MCAWW	410.4	
Dissolved Oxygen	MCAWW	360.1	
Hexavalent Chromium - Total	SW8463	7196A	
Nitrite	MCAWW	353.2	
Nitrogen, Nitrate	MCAWW	353.2	
pH	SW8463	9040	
Total Dissolved Solids	MCAWW	160.1	
Total Kjeldahl Nitrogen	MCAWW	351.2	
Total Recoverable Phenolics	MCAWW	420.2	
Total Suspended Solids	MCAWW	160.2	

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

NON-CONFORMANCE SUMMARY

Job#: A07-2041

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-2041
Sample Cooler(s) were received at the following temperature(s); 2.8 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The Selenium value obtained for sample AP-EWE-01 was inconsistent with historical trends. The value was confirmed by the ICP data. Only the result from the original analysis is provided in this data package.

Wet Chemistry Data

The values obtained for Nitrate and Nitrite on sample AP-EWE-01 are inconsistent with historical trends. Reanalysis was performed and the values were confirmed.

The value obtained for Total Kjeldahl Nitrogen on sample AP-EWE-01 is inconsistent with historical trends. Digestion and analysis were performed a second time, and the value was confirmed.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-EWE-01	A7204101	Ammonia	2.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Date: 03/15/2007 Requested Detection Limits < STL's PQL Page: 1
Time: 18:42:10 Rept: AN1520

The requested project specific reporting limits listed below were less than STL's standard quantitation limits. It must be noted that results reported below STL's standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Parameter	Unit	Client DL	STL PQL
Wet Chemistry				
160.1	Total Dissolved Solids	MG/L	1.0	10
420.2	Total Recoverable Phenolics	UG/L	8.0	10

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-EWE-01
Lab Sample ID: A7204101
Date Collected: 03/06/2007
Time Collected: 12:45

Date Received: 03/06/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	03/07/2007 21:35	TRB
Trichloroethene	ND		5.0	UG/L	624	03/07/2007 21:35	TRB
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	03/08/2007 20:33	AK
Chromium - Total	ND		100	UG/L	200.7	03/08/2007 20:33	AK
Copper - Total	ND		14.7	UG/L	200.7	03/08/2007 20:33	AK
Iron - Total	603		300	UG/L	200.7	03/08/2007 20:33	AK
Nickel - Total	ND		70.0	UG/L	200.7	03/08/2007 20:33	AK
Selenium - Total	9.4		4.6	UG/L	200.8	03/08/2007 18:35	SW
Thallium - Total	ND		4.0	UG/L	200.8	03/08/2007 18:35	SW
Zinc - Total	ND		115	UG/L	200.7	03/08/2007 20:33	AK
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	03/07/2007 10:05	RMM
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	03/07/2007 15:00	RLG
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	03/08/2007 12:30	RMM
Dissolved Oxygen	8.8		7.0	MG/L	360.1	03/06/2007 17:05	SM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	03/06/2007 16:10	SM
Nitrite	0.17		0.050	MG/L-N	353.2	03/07/2007 08:37	LRM
Nitrogen, Nitrate	0.41		0.050	MG/L-N	353.2	03/07/2007 08:37	LRM
pH	7.52		0.100	S.U.	9040	03/06/2007 17:20	SM
Total Dissolved Solids	947		4.0	MG/L	160.1	03/07/2007 16:00	SM
Total Kjeldahl Nitrogen	3.8		1.0	MG/L-N	351.2	03/13/2007 08:05	ERK
Total Recoverable Phenolics	9.8		8.0	UG/L	420.2	03/07/2007 13:57	ERK
Total Suspended Solids	ND		10	MG/L	160.2	03/07/2007 09:50	KD

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-INF-01
Lab Sample ID: A7204102
Date Collected: 03/06/2007
Time Collected: 14:00

Date Received: 03/06/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Hexavalent Chromium - Total	67.0		11.0	UG/L	7196A	03/06/2007 16:10	SM
pH	6.88		0.100	S.U.	9040	03/06/2007 17:20	SM

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: TRIP BLANK
Lab Sample ID: A7204103
Date Collected: 03/06/2007
Time Collected: :

Date Received: 03/06/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	03/07/2007 16:04	TRB
Trichloroethene	ND		5.0	UG/L	624	03/07/2007 16:04	TRB

Chronology and QC Summary Package

Client ID		VBLK78							
Job No	Lab ID	A07-2041	A7B0317102						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
SURROGATE(S)									
Toluene-D8	%	99	82-114	NA		NA		NA	
p-Bromofluorobenzene	%	98	71-125	NA		NA		NA	
1,2-Dichloroethane-D4	%	102	83-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-2041	A7B0314202						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Chromium - Total	UG/L	ND	100	NA		NA		NA	
Iron - Total	UG/L	ND	300	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-2041	A7B0314402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Selenium - Total	UG/L	ND	4.6	NA		NA		NA	
Thallium - Total	UG/L	ND	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)
WET CHEMISTRY ANALYSIS

Client ID		MBLK		MBLK		MBLK		MBLK	
Job No / Lab ID		A07-2041	A7B0313402	A07-2041	A7B0317702	A07-2041	A7B0321702	A07-2041	A7B0322002
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Recoverable Phenolics	UG/L	ND	8.0	NA		NA		NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		ND	1.0	NA		NA	
Chemical Oxygen Demand	MG/L	NA		NA		ND	40.0	NA	
Total Dissolved Solids	MG/L	NA		NA		NA		ND	4.0

Client ID		MBLK		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A07-2041	A7B0340902	A07-2041	A7B0310302	A07-2041	A7B0311402	A07-2041	A7B0313102
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Kjeldahl Nitrogen	MG/L-N	ND	1.0	NA		NA		NA	
Hexavalent Chromium - Total	UG/L	NA		ND	11.0	NA		NA	
Nitrite	MG/L-N	NA		NA		ND	0.050	NA	
Ammonia	MG/L-N	NA		NA		NA		ND	9.2
Nitrogen, Nitrate	MG/L-N	NA		NA		ND	0.050	NA	

Client ID		Method Blank		Method Blank					
Job No / Lab ID		A07-2041	A7B0314502	A07-2041	A7B0314902				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	ND	10	NA		NA		NA	
Biochemical Oxygen Demand	MG/L	NA		ND	5.0	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK78 LCS78
Lab Sample ID: A7B0317102 A7B0317101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	17.0	20.0	85	73-128
Trichloroethene	UG/L	17.1	20.0	86	67-134

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0314202 A7B0314201

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	198.3	200.0	99	85-115
TOTAL CHROMIUM	UG/L	184.4	200.0	92	85-115
TOTAL COPPER	UG/L	198.2	200.0	99	85-115
TOTAL IRON	UG/L	9529	10000	95	85-115
TOTAL NICKEL	UG/L	194.0	200.0	97	85-115
TOTAL ZINC	UG/L	191.4	200.0	95	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0314402 A7B0314401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	21.11	20.00	104	85-115
TOTAL THALLIUM	UG/L	21.08	20.00	105	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: AP-EWE-01 AP-EWE-01
Lab Sample ID: A7204101 A7204101MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	0	216.6	198.0	109	22-178

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: AP-INF-01 AP-INF-01
Lab Sample ID: A7204102 A7204102MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	67.00	115.0	50.00	96	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK
Lab Sample ID: A7B0313402

LCS
A7B0313401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	555.8	546.0	102	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK LCS
Lab Sample ID: A7B0317702 A7B0317701

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
351.2 - TOTAL KJELDAHL NITROGEN - 1.0	MG/L-N	2.46	2.50	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK
Lab Sample ID: A7B0321702

LCS
A7B0321701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	26.90	25.00	108	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK LCS
Lab Sample ID: A7B0340902 A7B0340901

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
351.2 - TOTAL KJELDAHL NITROGEN - 1.0	MG/L-N	2.55	2.50	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0310302 A7B0310301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	49.00	50.00	98	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0311402 A7B0311401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITRITE	MG/L-N	1.02	1.00	102	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.61	2.50	104	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0313102 A7B0313101

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.773	0.750	103	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0314502 A7B0314501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.2 - TOTAL SUSPENDED SOLIDS	MG/L	473.0	530.0	89	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0314902 A7B0314901

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	219.6	198.0	111	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	AP-EWE-01				
Job No & Lab Sample ID	A07-2041 A7204101				
Sample Date	03/06/2007 12:45				
Received Date	03/06/2007 15:30				
Extraction Date					
Analysis Date	03/07/2007 21:35				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A07-2041 A7204103				
Sample Date	03/06/2007				
Received Date	03/06/2007 15:30				
Extraction Date					
Analysis Date	03/07/2007 16:04				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	VBLK78				
Job No & Lab Sample ID	A07-2041 A7B0317102				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	03/07/2007 14:06				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7204101	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 20:33	AK	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 18:35	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	03/06/07 12:45	03/06 15:30	NA		03/08 18:35	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0314202	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		03/08 19:32	AK	Y	WATER
A7B0314402	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		03/08 17:40	SW	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		03/08 17:40	SW	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7204101	AP-EWE-01	RECNY	pH	9040	1.0		03/06/07 12:45	03/06 15:30	NA		03/06 17:20	SM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0		03/06/07 12:45	03/06 15:30	NA		03/13 08:05	ERK	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 08:37	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 08:37	LRM	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 15:00	RLG	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 16:00	SM	Y	WATER
		RECNY	Ammonia	350.1	2.0		03/06/07 12:45	03/06 15:30	NA		03/07 10:05	RMM	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0		03/06/07 12:45	03/06 15:30	NA		03/08 12:30	RMM	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 09:50	KD	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0		03/06/07 12:45	03/06 15:30	NA		03/07 13:57	ERK	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0		03/06/07 12:45	03/06 15:30	NA		03/06 17:05	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		03/06/07 12:45	03/06 15:30	NA		03/06 16:10	SM	Y	WATER
A7204102	AP-INF-01	RECNY	pH	9040	1.0		03/06/07 14:00	03/06 15:30	NA		03/06 17:20	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0		03/06/07 14:00	03/06 15:30	NA		03/06 16:10	SM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0313402	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		03/07 13:56	ERK	Y	WATER
A7B0317702	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		03/08 08:22	ERK	Y	WATER
A7B0321702	MBLK	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		03/08 12:30	RMM	Y	WATER
A7B0322002	MBLK	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		03/07 16:00	SM	Y	WATER
A7B0340902	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		03/13 08:05	ERK	Y	WATER
A7B0310302	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		03/06 16:10	SM	Y	WATER
A7B0311402	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		03/07 08:37	LRM	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		03/07 08:37	LRM	Y	WATER
A7B0313102	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		03/07 10:05	RMM	Y	WATER
A7B0314502	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		03/07 09:50	KD	Y	WATER
A7B0314902	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		03/07 15:00	RLG	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Greenster Engineering P.C.	Project Manager: Chip McLeod	Date: 3-6-07	Chain of Custody Number: 323912
Address: 6 Gellatly Drive	Telephone Number (Area Code)/Fax Number: 845-223-9944	Lab Number:	Page 1 of 1
City: Wappingers Falls · State: NY · Zip Code: 12590	Site Contact: · Lab Contact:		
Project Name and Location (State): Arco Parcel, Niagara Falls, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	200.8 Metals	1P VOAs	TKN, COD	Ammonia	Nitrate/Nitrite	BOD, TSS, TDS	O.O.	PH-1	Cr+6 WQ	T. Phenols	Special Instructions/ Conditions of Receipt
AP-EWE-01	3607	1245		X			4	2	2	2			X	X	X	X	X	X	X	X	X	X	
~~AP-...~~																							
AP-INF-01	3607	1400		X			1													X	X		WQ, pH, Cr+6 only

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 (Cr+6) ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days (↗ all except Cr+6) ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/6/07	1530	1. Received By: [signature]	3/6/07	1530
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.8°C

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

ANALYTICAL REPORT

Job#: A07-6416

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls
Task: Airco Parcel, Niagara Falls

Charles E. McLeod, Jr.
Greenstar Engineering, PC
6 Gellatly Drive
Wappinger Falls, NY 12590

STL Buffalo

Jason R. Kacalski
Project Manager

06/27/2007

STL Buffalo
Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	NELAP SDWA, CWA, RCRA	NY455
New York	NELAP AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7641601	AP-EWE-01	WATER	06/08/2007	15:00	06/08/2007	16:50
A7641602	AP-SS-01	WATER	06/08/2007	16:00	06/08/2007	16:50
A7641603	TRIP BLANK	WATER	06/08/2007		06/08/2007	16:50

METHODS SUMMARY

Job#: A07-6416

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

PARAMETER	ANALYTICAL METHOD		
METHOD 624 - PRIORITY POLLUTANT VOLATILES	CFR136	624	
Barium - Total	MCAWW	200.7	
Chromium - Total	MCAWW	200.7	
Copper - Total	MCAWW	200.7	
Iron - Total	MCAWW	200.7	
Nickel - Total	MCAWW	200.7	
Selenium - Total	MCAWW	200.8	
Thallium - Total	MCAWW	200.8	
Zinc - Total	MCAWW	200.7	
Ammonia	MCAWW	350.1	*
Biochemical Oxygen Demand	MCAWW	405.1	
Chemical Oxygen Demand	MCAWW	410.4	
Dissolved Oxygen	MCAWW	360.1	
Hexavalent Chromium - Total	SW8463	7196A	
Nitrite	MCAWW	353.2	
Nitrogen, Nitrate	MCAWW	353.2	
pH	SW8463	9040	
Total Dissolved Solids	MCAWW	160.1	
Total Kjeldahl Nitrogen	MCAWW	351.2	
Total Recoverable Phenolics	MCAWW	420.2	
Total Suspended Solids	MCAWW	160.2	

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

* Ammonia and/or Fluoride were not distilled prior to analysis.

SDG NARRATIVE

Job#: A07-6416

STL Project#: NY5A9582
Site Name: Airco - Niagara Falls

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-6416
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
AP-EWE-01	A7641601	Ammonia	2.00	008
AP-EWE-01	A7641601	Total Kjeldahl Nitrogen	2.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

The requested project specific reporting limits listed below were less than STL's standard quantitation limits but greater than or equal to STL's MDL. It must be noted that results reported below STL's standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Parameter	Unit	Client DL	STL PQL
Wet Chemistry				
160.1	Total Dissolved Solids	MG/L	1.0	10
420.2	Total Recoverable Phenolics	UG/L	8.0	10

STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-EWE-01
Lab Sample ID: A7641601
Date Collected: 06/08/2007
Time Collected: 15:00

Date Received: 06/08/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	06/11/2007 23:55	BJ
Trichloroethene	ND		5.0	UG/L	624	06/11/2007 23:55	BJ
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	06/13/2007 05:07	AK
Chromium - Total	ND		100	UG/L	200.7	06/13/2007 05:07	AK
Copper - Total	ND		14.7	UG/L	200.7	06/13/2007 05:07	AK
Iron - Total	307		300	UG/L	200.7	06/13/2007 05:07	AK
Nickel - Total	ND		70.0	UG/L	200.7	06/13/2007 05:07	AK
Selenium - Total	ND		4.6	UG/L	200.8	06/13/2007 10:29	JP
Thallium - Total	ND		4.0	UG/L	200.8	06/13/2007 10:29	JP
Zinc - Total	ND		115	UG/L	200.7	06/13/2007 05:07	AK
Wet Chemistry Analysis							
Ammonia	ND		18.4	MG/L-N	350.1	06/11/2007 10:29	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	06/08/2007 19:30	SM
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	06/11/2007 13:30	KD
Dissolved Oxygen	7.4		7.0	MG/L	360.1	06/08/2007 19:40	SM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	06/08/2007 19:00	SM
Nitrite	ND		0.050	MG/L-N	353.2	06/08/2007 21:49	RLG
Nitrogen, Nitrate	ND		0.050	MG/L-N	353.2	06/08/2007 21:49	RLG
pH	7.57		0.100	S.U.	9040	06/09/2007 11:09	SM
Total Dissolved Solids	939		4.0	MG/L	160.1	06/11/2007 15:30	AN
Total Kjeldahl Nitrogen	4.9		2.0	MG/L-N	351.2	06/21/2007 10:19	ERK
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	06/13/2007 18:22	RLG
Total Suspended Solids	ND		10	MG/L	160.2	06/11/2007 11:40	AN

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: AP-SS-01
Lab Sample ID: A7641602
Date Collected: 06/08/2007
Time Collected: 16:00

Date Received: 06/08/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	06/12/2007 00:20	BJ
Trichloroethene	ND		5.0	UG/L	624	06/12/2007 00:20	BJ
Metals Analysis							
Barium - Total	ND		2000	UG/L	200.7	06/13/2007 05:12	AK
Chromium - Total	ND		100	UG/L	200.7	06/13/2007 05:12	AK
Copper - Total	ND		14.7	UG/L	200.7	06/13/2007 05:12	AK
Iron - Total	1150		300	UG/L	200.7	06/13/2007 05:12	AK
Nickel - Total	ND		70.0	UG/L	200.7	06/13/2007 05:12	AK
Selenium - Total	ND		4.6	UG/L	200.8	06/13/2007 10:33	JP
Thallium - Total	ND		4.0	UG/L	200.8	06/13/2007 10:33	JP
Zinc - Total	ND		115	UG/L	200.7	06/13/2007 05:12	AK
Wet Chemistry Analysis							
Ammonia	ND		9.2	MG/L-N	350.1	06/11/2007 10:29	ERK
Biochemical Oxygen Demand	ND		5.0	MG/L	405.1	06/08/2007 19:30	SM
Chemical Oxygen Demand	ND		40.0	MG/L	410.4	06/11/2007 13:30	KD
Dissolved Oxygen	8.9		7.0	MG/L	360.1	06/08/2007 19:40	SM
Hexavalent Chromium - Total	ND		11.0	UG/L	7196A	06/08/2007 19:00	SM
Nitrite	ND		0.050	MG/L-N	353.2	06/08/2007 21:49	RLG
Nitrogen, Nitrate	0.13		0.050	MG/L-N	353.2	06/08/2007 21:49	RLG
pH	7.92		0.100	S.U.	9040	06/08/2007 19:57	RM
Total Dissolved Solids	500		4.0	MG/L	160.1	06/11/2007 15:30	AN
Total Kjeldahl Nitrogen	ND		1.0	MG/L-N	351.2	06/21/2007 09:47	ERK
Total Recoverable Phenolics	ND		8.0	UG/L	420.2	06/13/2007 18:22	RLG
Total Suspended Solids	ND		10	MG/L	160.2	06/11/2007 11:40	AN

Airco - Niagara Falls
Airco Parcel, Niagara Falls (Discharge)

Sample ID: TRIP BLANK
Lab Sample ID: A7641603
Date Collected: 06/08/2007
Time Collected: :

Date Received: 06/08/2007
Project No: NY5A9582
Client No: 137175
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-CFR136 624 - SELECT COMPOUNDS							
1,1-Dichloroethane	ND		5.0	UG/L	624	06/12/2007 00:45	BJ
Trichloroethene	ND		5.0	UG/L	624	06/12/2007 00:45	BJ

Batch Quality Control Data

Lab Sample ID: A7616805 A7616805MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
PLAINVILLE - 410.4 - CHEMICAL OXYGEN D	MG/L	6.70	57.60	50.00	102	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7625907 A7625907MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
ALLIED - METHOD 410.1 CHEMICAL OXYGEN	MG/L	1.30	47.60	50.00	93	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7633808 A7633808MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 351.2 - TOTAL KJELDAHL NITROGEN	MG/L-N	0.284	1.13	1.00	84	72-127

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7634106 A7634106MS A7634106SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
WVDP-METHOD 350.1/AMMONIA AS NH3 - W	MG/L-NH3	0.0204	0.260	0.266	0.244	0.244	98	101	100	3	20.0	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 06/27/2007 17:02:55
Batch No: A7B08962

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A7634303 A7634303MS A7634303SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
WVDP - METHOD 405.1/BOD - W	MG/L	2.22	257.0	246.0	198.0	198.0	129	123	126	5	20.0	22-178
WVDP-METHOD 353.2/NITRITE - W	MG/L-N	0	1.20	1.16	1.00	1.00	121	116	119	4	20.0	61-147

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Lab Sample ID: A7636603 A7636603MS A7636603SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
METHOD 350.1 - AMMONIA	MG/L-N	3.18	3.54	3.51	0.400	0.400	90	82	86	9	20.0	54-150
METHOD 353.2 - NITRATE, NITRITE	MG/L-N	0.685	1.84	1.84	1.00	1.00	116	116	116	0	20.0	77-123
METHOD 353.2 - NITRITE	MG/L-N	0	1.17	1.18	1.00	1.00	117	118	118	0.	20.0	61-147
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	0.685	1.84	1.84	1.00	1.00	116	116	116	0	20.0	77-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7637107 A7637107MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 353.2 - NITRATE - RL=0.05 MG/L TOTAL	MG/L-N	0	1.24	1.00	125 *	77-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7638511 A7638511MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS 350.1 - AMMONIA,SOLUBLE 0.02 MG/L	MG/L-N	0.100	0.298	0.200	99	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7641203 A7641203MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA AS NH3	MG/L-NH3	10.01	11.12	1.22	90	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7641601 A7641601MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	49.00	50.00	98	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A7642401 A7642401MS A7642401SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS												
410.4 - CHEMICAL OXYGEN DEMAND	MG/L	12.00	80.50	69.80	50.00	50.00	137 *	116 *	127	17	20.0	90-110
METHOD 350.1 - AMMONIA	MG/L-N	0.568	0.713	0.718	0.200	0.200	72	75	74	4	20.0	54-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK63							
Job No	Lab ID	A07-6416	A7B0910002						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
SURROGATE(S)									
Toluene-D8	%	99	87-110	NA		NA		NA	
p-Bromofluorobenzene	%	94	78-122	NA		NA		NA	
1,2-Dichloroethane-D4	%	103	88-132	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-6416	A7B0906902						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Iron - Total	UG/L	ND	300	NA		NA		NA	
Barium - Total	UG/L	ND	2000	NA		NA		NA	
Copper - Total	UG/L	ND	14.7	NA		NA		NA	
Nickel - Total	UG/L	ND	70.0	NA		NA		NA	
Zinc - Total	UG/L	ND	115	NA		NA		NA	
Chromium - Total	UG/L	ND	100	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A07-6416	A7B0907102						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Selenium - Total	UG/L	ND	4.6	NA		NA		NA	
Thallium - Total	UG/L	ND	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		MBLK		MBLK		MBLK		MBLK	
Job No / Lab ID		A07-6416	A7B0907502	A07-6416	A7B0913302	A07-6416	A7B0924802	A07-6416	A7B0972202
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Chemical Oxygen Demand	MG/L	ND	40.0	NA		NA		NA	
Total Dissolved Solids	MG/L	NA		ND	4.0	NA		NA	
Total Recoverable Phenolics	UG/L	NA		NA		ND	8.0	NA	
Total Kjeldahl Nitrogen	MG/L-N	NA		NA		NA		ND	1.0

Client ID		Method Blank		Method Blank		Method Blank		Method Blank	
Job No / Lab ID		A07-6416	A7B0896202	A07-6416	A7B0896402	A07-6416	A7B0897602	A07-6416	A7B0903402
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Biochemical Oxygen Demand	MG/L	ND	5.0	NA		NA		NA	
Hexavalent Chromium - Total	UG/L	NA		ND	11.0	NA		NA	
Nitrite	MG/L-N	NA		NA		ND	0.050	NA	
Ammonia	MG/L-N	NA		NA		NA		ND	9.2
Nitrogen, Nitrate	MG/L-N	NA		NA		ND	0.050	NA	

Client ID		Method Blank							
Job No / Lab ID		A07-6416	A7B0907402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	ND	10	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK63 MSB63
Lab Sample ID: A7B0910002 A7B0910001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 624 - PRIORITY POLLUTANT VOLATILE					
1,1-Dichloroethane	UG/L	19.6	20.0	98	73-128
Trichloroethene	UG/L	19.5	20.0	98	67-134

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0906902 A7B0906901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
8 DISCHARGE METALS					
TOTAL BARIUM	UG/L	195.1	200.0	98	85-115
TOTAL CHROMIUM	UG/L	190.5	200.0	95	85-115
TOTAL COPPER	UG/L	205.6	200.0	103	85-115
TOTAL IRON	UG/L	9961	10000	100	85-115
TOTAL NICKEL	UG/L	197.0	200.0	98	85-115
TOTAL ZINC	UG/L	202.8	200.0	101	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A7B0907102 A7B0907101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
200.8 DISCHARGE METALS					
200.8 TOTAL SELENIUM	UG/L	19.44	20.00	97	85-115
TOTAL THALLIUM	UG/L	20.27	20.00	101	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: AP-EWE-01 AP-EWE-01
Lab Sample ID: A7641601 A7641601MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	0	49.00	50.00	98	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK LCS
Lab Sample ID: A7B0907502 A7B0907501

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 410.4 - CHEMICAL OXYGEN DEMAND	MG/L	26.00	25.00	99	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK LCS
Lab Sample ID: A7B0924802 A7B0924801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 420.2 - TOTAL RECOVERABLE PHENO	UG/L	287.8	281.0	102	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: MBLK LCS
Lab Sample ID: A7B0972202 A7B0972201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
351.2 - TOTAL KJELDAHL NITROGEN - 1.0	MG/L-N	2.55	2.50	102	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0896202 A7B0896201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 405.1 - BIOCHEMICAL OXYGEN DEMA	MG/L	226.5	198.0	114	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0896402 A7B0896401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM - COLORIMETRIC (WE	UG/L	49.00	50.00	98	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0897602 A7B0897601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 353.2 - NITRITE	MG/L-N	1.03	1.00	103	90-110
METHOD 353.2 - NITROGEN, NITRATE -W- R	MG/L-N	2.49	2.50	100	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0903402 A7B0903401

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 350.1 - AMMONIA	MG/L-N	0.705	0.750	94	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0907402 A7B0907401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.2 - TOTAL SUSPENDED SOLIDS	MG/L	701.0	752.0	93	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	AP-EWE-01 A07-6416 A7641601	AP-SS-01 A07-6416 A7641602			
Sample Date	06/08/2007 15:00	06/08/2007 16:00			
Received Date	06/08/2007 16:50	06/08/2007 16:50			
Extraction Date					
Analysis Date	06/11/2007 23:55	06/12/2007 00:20			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A07-6416 A7641603				
Sample Date	06/08/2007				
Received Date	06/08/2007 16:50				
Extraction Date					
Analysis Date	06/12/2007 00:45				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 624 - PRIORITY POLLUTANT VOLATILES

Client Sample ID	VBLK63				
Job No & Lab Sample ID	A07-6416 A7B0910002				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/11/2007 11:29				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7641601	AP-EWE-01	RECNY	Barium - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 05:07	AK	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 10:29	JP	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	06/08/07 15:00	06/08 16:50	NA		06/13 10:29	JP	Y	WATER
A7641602	AP-SS-01	RECNY	Barium - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 05:12	AK	Y	WATER
		RECNY	Selenium - Total	200.8	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 10:33	JP	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	06/08/07 16:00	06/08 16:50	NA		06/13 10:33	JP	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0906902	Method Blank	RECNY	Barium - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
		RECNY	Chromium - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
		RECNY	Copper - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
		RECNY	Iron - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
		RECNY	Nickel - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
		RECNY	Zinc - Total	200.7	1.0	0.05	L	-	-	NA		06/13 02:54	AK	Y	WATER
A7B0907102	Method Blank	RECNY	Selenium - Total	200.8	1.0	0.05	L	-	-	NA		06/13 09:09	JP	Y	WATER
		RECNY	Thallium - Total	200.8	1.0	0.05	L	-	-	NA		06/13 09:09	JP	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	T H	Analysis Date	ANL INI	A H	Matrix
A7641601	AP-EWE-01	RECNY	pH	9040	1.0			06/08/07 15:00	06/08 16:50	NA		06/09 11:09	SM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	2.0			06/08/07 15:00	06/08 16:50	NA		06/21 10:19	ERK	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0			06/08/07 15:00	06/08 16:50	NA		06/08 21:49	RLG	Y	WATER
		RECNY	Nitrite	353.2	1.0			06/08/07 15:00	06/08 16:50	NA		06/08 21:49	RLG	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0			06/08/07 15:00	06/08 16:50	NA		06/08 19:30	SM	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0			06/08/07 15:00	06/08 16:50	NA		06/11 15:30	AN	Y	WATER
		RECNY	Ammonia	350.1	2.0			06/08/07 15:00	06/08 16:50	NA		06/11 10:29	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0			06/08/07 15:00	06/08 16:50	NA		06/11 13:30	KD	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0			06/08/07 15:00	06/08 16:50	NA		06/11 11:40	AN	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			06/08/07 15:00	06/08 16:50	NA		06/13 18:22	RLG	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0			06/08/07 15:00	06/08 16:50	NA		06/08 19:40	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	06/08/07 15:00	06/08 16:50	NA		06/08 19:00	SM	Y	WATER
A7641602	AP-SS-01	RECNY	pH	9040	1.0			06/08/07 16:00	06/08 16:50	NA		06/08 19:57	RM	Y	WATER
		RECNY	Total Kjeldahl Nitrogen	351.2	1.0			06/08/07 16:00	06/08 16:50	NA		06/21 09:47	ERK	Y	WATER
		RECNY	Nitrogen, Nitrate	353.2	1.0			06/08/07 16:00	06/08 16:50	NA		06/08 21:49	RLG	Y	WATER
		RECNY	Nitrite	353.2	1.0			06/08/07 16:00	06/08 16:50	NA		06/08 21:49	RLG	Y	WATER
		RECNY	Biochemical Oxygen Demand	405.1	1.0			06/08/07 16:00	06/08 16:50	NA		06/08 19:30	SM	Y	WATER
		RECNY	Total Dissolved Solids	160.1	1.0			06/08/07 16:00	06/08 16:50	NA		06/11 15:30	AN	Y	WATER
		RECNY	Ammonia	350.1	1.0			06/08/07 16:00	06/08 16:50	NA		06/11 10:29	ERK	Y	WATER
		RECNY	Chemical Oxygen Demand	410.4	1.0			06/08/07 16:00	06/08 16:50	NA		06/11 13:30	KD	Y	WATER
		RECNY	Total Suspended Solids	160.2	1.0			06/08/07 16:00	06/08 16:50	NA		06/11 11:40	AN	Y	WATER
		RECNY	Total Recoverable Phenolics	420.2	1.0			06/08/07 16:00	06/08 16:50	NA		06/13 18:22	RLG	Y	WATER
		RECNY	Dissolved Oxygen	360.1	1.0			06/08/07 16:00	06/08 16:50	NA		06/08 19:40	SM	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	06/08/07 16:00	06/08 16:50	NA		06/08 19:00	SM	Y	WATER

AH = Analysis Holding Time Met
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NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

AIRCO - NIAGARA FALLS
AIRCO PARCEL, NIAGARA FALLS (DISCHARGE)
QC CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A7B0907502	MBLK	RECNY	Chemical Oxygen Demand	410.4	1.0		-	-	NA		06/11 13:30	KD	Y	WATER
A7B0913302	MBLK	RECNY	Total Dissolved Solids	160.1	1.0		-	-	NA		06/11 15:30	AN	Y	WATER
A7B0924802	MBLK	RECNY	Total Recoverable Phenolics	420.2	1.0		-	-	NA		06/13 16:01	RLG	Y	WATER
A7B0972202	MBLK	RECNY	Total Kjeldahl Nitrogen	351.2	1.0		-	-	NA		06/21 08:53	ERK	Y	WATER
A7B0896202	Method Blank	RECNY	Biochemical Oxygen Demand	405.1	1.0		-	-	NA		06/08 15:00	SM	Y	WATER
A7B0896402	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1 L	-	-	NA		06/08 19:00	SM	Y	WATER
A7B0897602	Method Blank	RECNY	Nitrogen, Nitrate	353.2	1.0		-	-	NA		06/08 21:49	RLG	Y	WATER
		RECNY	Nitrite	353.2	1.0		-	-	NA		06/08 21:49	RLG	Y	WATER
A7B0903402	Method Blank	RECNY	Ammonia	350.1	1.0		-	-	NA		06/11 10:29	ERK	Y	WATER
A7B0907402	Method Blank	RECNY	Total Suspended Solids	160.2	1.0		-	-	NA		06/11 11:40	AN	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

Hex Cr

STL-4124 (0901)

Client: Greenstar Engineers	Project Manager: Chip McLeod	Date: 6/6/07	Chain of Custody Number: 349068
Address: 6 Bellath Drive	Telephone Number (Area Code)/Fax Number: (914) 475-6623 / (845) 223-9955	Lab Number:	Page 1 of 1
City: Wappingers Falls / State: NY / Zip Code: 12590	Site Contact: C. McLeod	Lab Contact: J.K	
Project Name and Location (State): Airco Parcel	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 20 Metals	10 Vocs	Ammonia	COD/SOD	Nitrate/Nitrite	TDS/TSS	DO, pH	Cr+6	Total Phenols
AP-EWE-01	6/6/07	1540		X			4	2	1	2			X	X	X	X	X	X	X	X	X
AP-SS-01	6/6/07	1600		X			4	2	1	2			X	X	X	X	X	X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [ ] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Cr+6

Turn Around Time Required: [X] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [X] 21 Days [ ] Other ____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 6/6/07	Time: 1650	1. Received By: [signature]	Date: 06/06/07	Time: 1650
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.0°C

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

50/50

Attachment G

Monthly Operation and Maintenance Details
January– July 2007

1. INTRODUCTION

This report presents a summary of the ongoing operation and maintenance activities for the Airco Parcel site from 1 January to 30 June 2007. It includes a summary of ongoing operations and repairs, corrective actions, improvements, and an analysis of the groundwater collection treatment system (GCTS) performance.

2. ROUTINE OPERATION AND MAINTENANCE

The 21,600 gal per day discharge limit was not exceeded during the reporting period. Table 2 of the Bi-Annual 2007 Monitoring Event Letter Report provides a summary of the quarterly effluent analytical data from the April and June 2007 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, 2,528,070 gal of groundwater were treated and discharged to the stormwater swale adjacent to the engineered wetlands. The system averaged 10.75 gpm, during the report period, with no influence observed due to heavy rain events. The treatment system was operational for 90.2 percent of the report period. The system was 100 percent operational with the exception of the end of January and February when sever cold weather conditions, coupled with shed heater failures, resulted in significant pipe freezing and damage. Since repairs were completed, and the system restarted on 22 February 2007, the system operated the final 128 of the report period consecutively.

The completed System Monitoring Checklists are provided in Attachment G.1. Monthly GCTS flow calculations are provided in Attachment G.2. During the report period, an estimated 2.37 lb of total chromium of which an estimated 2.14 lb was hexavalent chromium, was removed by the system. These values are based on the total gallons treated, the average influent and effluent concentrations observed from the bi-weekly field sampling.

3.1 SYNOPSIS OF THE BI-ANNUAL ACTIVITIES

January 2007

The system was operational for all 31 days in July. However, on January 29th, T1 high level alarm was activated. The system continued to operate, but at a significantly decreased flow rate from T1. No other alarm conditions were reported, and no scheduled or unscheduled shut downs occurred. The following details the activities which were performed during January.

- 29 January 2007 – Significant decrease in flow rate was observed during the site visit. Preparations to clean the discharge line were implemented and scheduled for February 2007.

February 2007

The system was operational for 13 days in February. High level alarm in T1 due to reduced flow rates was observed for the first 4 days of February. On 5 February 2007, the system went off line due to extreme cold weather conditions. The system was off line for 16 days. The following details the activities which were performed to during February.

- 5 February 2007 – Routine site visit to find the pipes in the valve shed were frozen, and all the site heaters had failed. Installed new heaters in the SCADA building and the valve shed and demobilized. No further action could be performed due to extreme cold weather conditions. Notified the NYSEC that the system would be offline in the immediate future.

- 19 February 2007 – Mobilized to the site to repair and restart the system.

- 20 February 2007 – Removed all piping from T1 to facilitate line cleaning. The line cleaning contractor successfully cleaned 500 feet of line removing approximately 55 gallons of sediment deposits. Installed industrial heaters in the SCADA shed and valve shed. Removed all broken piping from T6B to the valve shed and within the valve shed.

- 20 February 2007 – Replaced all the piping and valves in the valve shed. Turned on the heaters and left the site

- 22 February 2007 – P1A/B were reinstalled with all new valves and piping. Pumps P1A/B were operated in hand initially to check the system Flow rates from both pumps were consistent, and were approximately 46 gpm. Frozen lines in T6B, the inlet and outlet, were thawed and the system was successfully restarted.

March 2007

The system was operational for all 31 days in March. No alarm conditions were reported, and no scheduled or unscheduled shut downs occurred. The following details the activities which were performed to during March.

- 6 March 2007 – System offline for 4 hours due to faulting programming. System was remotely started at 5:30 AM, and the program corrected. Site visit occurred later that day. System was fully operational.

April 2007

The system was operational for 30 days in April. No unscheduled shut downs occurred. Scheduled shut downs occurred concurrent with system upgrades including cleanout installation, bypass valve installation, and the generator transfer switch installation. During these scheduled downtimes, the system was manually operated to prevent uncontrolled discharges of leachate. The following details the activities which were performed to during April.

- On 2 – 5 April 2007, the 3-in. HDPE forcemain was modified to include cleanouts which will facilitate cleaning of the line in the future.

- On 17 – 18 April 2007 the bi-annual sampling event was performed.

- On 18 April 2007 the 6-in. HDPE leachate collection line was cleaned. Flow into the system increased from an average of 5 gpm, to more than 18 a peak average of 19 gpm.

- On 16 – 26 April 2007 system upgrades were performed. Upgrades included installation of the new valve shed to house the automated valves, associated controls and pumps which were integrated into the system to allow 24/7 operation during scheduled or unscheduled shut downs. During this period, the standby generator was installed and tested.

May 2007

The system was operational for 31 days in May. No scheduled shut downs occurred. The following details the activities which were performed to during May.

- On 15-16 May 2007 the new overflow pond, T-8, was commissioned and the new controls downloaded and tested. All alarm and control systems checked out and functioned within normal limits. The generator is fully operational, but data for the generator has not yet been integrated into the SCADA system.

- On 30 May 2007 the pH probe was cleaned and calibrated. The aeration blower for P-6A was found to be inoperable. Attempts to install the spare blower failed due to incompatible parts. New parts were ordered and the blower will was activated in June 2007.

June 2007

The system was operational for 30 days in June. One scheduled system bypass occurred to facilitate Sediment Pond T3A cleaning. The following details the activities which were performed to during June.

- On 8 June 2007, P3B failed to start. The failure occurred just prior to arriving on the site for normal O&M and GCTS Sampling activities. The pump was replaced and the check valve on the pump cleaned. The iron beds currently in use, the two northern beds, were turned off and the southern beds activated. The beds were deactivated due to plugging from calcium, and variable breakthrough noted from the bi-weekly field testing for chromium.

- On 8 June 2007, reinstalled the aeration blower for P-6A.

- On 20 June 2007 the aeration and carbon dioxide aeration systems were cleaned to remove iron and calcium scale. The pH probe was also cleaned and calibrated.

- On 25 June 2007, the two northern iron beds were serviced. The existing iron and gravel was removed and replaced. The tanks were returned to service on 27 June 2007 to assist in processing the water from Sediment Pond T3A in preparation for pond cleaning.

- On 29 June 2007, after 24 hours of dewatering the Sediment Pond T3A, the pond was cleaned utilizing pressure washers and a vacuum truck.

- On 30 June 2007, the baffle system was successfully installed, and the pond refilled with water diverted to T8, the emergency overflow diversion pond.

4. MODIFICATIONS/IMPROVEMENTS AND RECOMMENDATIONS

4.1 SYSTEM MODIFICATION/IMPROVEMENTS

During the monitoring period of January – June 2007, Greenstar performed the following modifications and improvements to the GCTS:

- Installation of the standby generator and automatic transfer switch.

- Installation of two 1,000 propane tanks.

- Installation of the new valve shed for operation of the GCTS influent.

5. PROJECTED OPERATION AND MAINTENACE

5.1 JULY – DECEMBER 2007

During the second bi-annual report period of 2007, in addition to completing routine operation and maintenance activities, Greenstar anticipates performing the following activities:

- Repairs to the two existing lined sediment ponds to address sidewall sloughing which was observed during the engineering inspections during the first bi-annual report period.

6. SYSTEM MONITORING

6.1 ENVIRONMENTAL SAMPLING

Routine system sampling with field analysis will continue on a bi-monthly basis to ensure chromium removal efficiency are maintained and no short circuiting is occurring in the ZVI beds. Quarterly discharge samples will be collected in March, June, August and October 2007 from the GCTS to meet the New York State Department of Environmental Conservation discharge permit requirements. The second bi-annual groundwater monitoring event for 2007 will occur in October 2007.

Attachment G.1

Airco Parcel Bi-Weekly System Monitoring Checklists January– July 2007

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 1/3/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Windy, 40 degrees		

READING	*ITEM*
227.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
3,497	Carbon Dioxide Tank Liquid Level
1.9	T1 Water Level
OFF	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.3 Induced, 6.7 Field measured	T3 pH Reading
616.5	T3A Water Elevation
1.8	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
610.5	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
2.1	T3B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
616.5	T7 Water Level Reading
OFF	Pump 7 Operational Status
4,475,107	Flow Meter Reading
10.3 (Reset @ 0722)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.103	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.210	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.7	Sample Port 3B
6.8	Sample Port 6B
6.8	Sample Port 7

Notes: System off for 8.5 hours. Replaced P1A. Cleaned T1 check valves. Removed 110 gallons of precipitate from T1. Replaced pH probe and calibrated. pH meter now fully functional.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 1/12/06	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: 40 degrees, overcast		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
5,560		Carbon Dioxide Tank Liquid Level
2.2		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
OFF		Pump P1BA Running Status ON/OFF
6.4		T3 pH Reading
616.5		T3A Water Elevation
1.9		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
613.1		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.7		T3B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
614.7		T7 Water Level Reading
OFF		Pump 7 Operational Status
4,616,341		Flow Meter Reading
11 (Reset @ 0742)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.095	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.207	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.8		Sample Port 3B
6.8		Sample Port 6B
6.8		Sample Port 7
Notes: Reset thermal overloads on P1A/B to 5.8 amps. Pulled P1B and re-installed. Guide cable was causing the pump not to seat properly. Pumps still vary in flow rate. New valves ordered and will be installed. Evaluated pump discharge head. Line to GCTS appears to be partially occluded. Will be cleaned in the 1st quarter.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 2/5/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: -15 degrees F, 40 mph Wind		
READING		*ITEM*
OFF		Carbon Dioxide Storage Tank Pressure (220-235 psi)
OFF		Carbon Dioxide Tank Liquid Level
OFF		T1 Water Level
OFF		Pump P1A Running Status ON/OFF
OFF		Pump P1BA Running Status ON/OFF
OFF		T3 pH Reading
OFF		T3A Water Elevation
OFF		T3B Water Level
OFF		Pump 3B Operational Status ON/OFF
OFF		T5 Water Level
OFF		Pump 5 Operational Status ON/OFF
OFF		T6A Water Elevation
OFF		T3B Water Level
OFF		Pump 6B Operational Status ON/OFF
OFF		T7 Water Level Reading
OFF		Pump 7 Operational Status
OFF		Flow Meter Reading
OFF		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
NS	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 3B Total, Chromium
NS	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 6B Total, Chromium
NS	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
NS		Sample Port 3B
NS		Sample Port 6B
NS		Sample Port 7
Notes: System off-line due to extreme cold. All heaters failed. All above ground piping is frozen installed new heaters, shut off the system and will return to the site when the cold weather subsides.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 2/22/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: 30 Degrees, 1-3" of snow, Winds at 30 MPH		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
9,988		Carbon Dioxide Tank Liquid Level
3.4		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1B Running Status ON/OFF
6.0		T3 pH Reading
616.7		T3A Water Elevation
2.4		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
611.4		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.6		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
616.0		T7 Water Level Reading
OFF		Pump 7 Operational Status
4,915,288		Flow Meter Reading
0 (due to being offline for 2 weeks) Reset at 1200		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.012 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.045 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
0.003 mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
0.000 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.025 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.8		Sample Port 3B
6.7		Sample Port 6B
6.9		Sample Port 7
Notes: 2/19/07 to 2/22/07 - Installed industrial heaters in the valve shed, and SCADA office shed. Replaced all above ground piping in the valve shed and from T6B to the valve shed. Removed P1A/B and cleaned. Installed new check valves and globe in T1 after the discharge line was cleaned. Approximately 500 feet of the line from T1 north was cleaned. Pumping rate of 45 gpm was restored. System restarted on 2/22/07.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 3/6/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: -15 degrees, Wind 20 MPH		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,474		Carbon Dioxide Tank Liquid Level
2.0		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.4		T3 pH Reading
616.5		T3A Water Elevation
2.2		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
611.2		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
617.1		T7 Water Level Reading
OFF		Pump 7 Operational Status
5,127,488		Flow Meter Reading
12 gpm (reset at 1220)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.057 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.188 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.006 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.6		Sample Port 3B
7.1		Sample Port 6B
7.1		Sample Port 7
Notes: Collected quarterly discharge sample from EWE. Collected influent sample for Cr+6, pH and water quality to compare to field measurements. System shut down at 1:39 AM due to programming fault. System was remotely reset at 5:30 AM. Programmer was called and the program was corrected and tested.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 3/20/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 20 degrees, windy		
READING		*ITEM*
222.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
6,508		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
6.4		T3 pH Reading
616.5		T3A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
613.5		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
2.1		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
617.1		T7 Water Level Reading
OFF		Pump 7 Operational Status
5,267,238		Flow Meter Reading
7 gpm (reset at 1240)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.020 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.234 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0.001 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.5		Sample Port 3B
6.8		Sample Port 6B
6.7		Sample Port 7
Notes: CO_2 filled 3/7/07. Modified T1 influent to prevent vapor lock.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 4/2/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 50 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,231	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
6.3	T3 pH Reading
616.5	T3A Water Elevation
2.1	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
610.3	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
1.9	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
616.2	T7 Water Level Reading
OFF	Pump 7 Operational Status
5,374,468	Flow Meter Reading
6 gpm (reset at 1615)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.166 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.213 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.7	Sample Port 3B
6.9	Sample Port 6B
7.0	Sample Port 7

Notes: Contractor onsite to commence installation of cleanouts into the 3-in. HDPE forcemain.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 4/17/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Cloudy, Windy, 40 degrees		
READING		*ITEM*
230		Carbon Dioxide Storage Tank Pressure (220-235 psi)
10,600		Carbon Dioxide Tank Liquid Level
2.9		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.5		T3 pH Reading
616.5		T3A Water Elevation
2.1		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
610.2		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.5		T6A Water Elevation
1.9		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
616.1		T7 Water Level Reading
OFF		Pump 7 Operational Status
5,486,223		Flow Meter Reading
5 gpm (reset at 1220)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.176 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.204 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.5		Sample Port 3B
6.8		Sample Port 6B
7.0		Sample Port 7
Notes: Contactors onsite to clean the 6-in. HDPE leachate collection line. Additional contractors onsite working on the piping and controls for system upgrades including the generator installation.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 5/15/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny 65 Degrees		

READING	*ITEM*
225	Carbon Dioxide Storage Tank Pressure (220-235 psi)
8,400	Carbon Dioxide Tank Liquid Level
2.0	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.7	T3 pH Reading
616.4	T3A Water Elevation
2.2	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
610.0	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.4	T6A Water Elevation
1.9	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
615.2	T7 Water Level Reading
OFF	Pump 7 Operational Status
6,133,232	Flow Meter Reading
15 gpm (reset at 1030)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.085 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 6B Total, Chromium
0.013 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.8	Sample Port 3B
6.8	Sample Port 6B
6.9	Sample Port 7

Notes: Contractor onsite to complete startup of new controls for system upgrades. All recommendations from the Remedy Review Report (Greenstar 2006) have been completed.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 5/30/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 80 Degrees		
READING		*ITEM*
240		Carbon Dioxide Storage Tank Pressure (220-235 psi)
>12,000		Carbon Dioxide Tank Liquid Level
2.4		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.7		T3 pH Reading
616.4		T3A Water Elevation
2.2		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
611.0		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.4		T6A Water Elevation
1.9		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.3		T7 Water Level Reading
OFF		Pump 7 Operational Status
6,449,203		Flow Meter Reading
15 gpm (reset at 1335)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.098mg/l	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.199 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
0 mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.5		Sample Port 3B
6.5		Sample Port 6B
6.6		Sample Port 7
Notes: Calibrated pH probe. Air blower not functioning. Attempted installation of spare blower. New pipe fittings required. Will install during next site visit.		

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 6/9/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 90 Degrees		

READING	*ITEM*
222.5	Carbon Dioxide Storage Tank Pressure (220-235 psi)
4,367	Carbon Dioxide Tank Liquid Level
2.7	T1 Water Level
AUTO/CYCLING	Pump P1A Running Status ON/OFF
AUTO/CYCLING	Pump P1BA Running Status ON/OFF
6.4	T3 pH Reading
616.4	T3A Water Elevation
2.1	T3B Water Level
AUTO/CYCLING	Pump 3B Operational Status ON/OFF
612.9	T5 Water Level
AUTO/CYCLING	Pump 5 Operational Status ON/OFF
616.5	T6A Water Elevation
2.0	T6B Water Level
AUTO/CYCLING	Pump 6B Operational Status ON/OFF
614.8	T7 Water Level Reading
OFF	Pump 7 Operational Status
6,622,861	Flow Meter Reading
13 gpm (reset at 1427)	Average System Flow

READING	*Standard*	*LOCATION/PARAMETER*
0.182 mg/L	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 6B Total, Chromium
0.011 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
NS	0.050 mg/L	Sample Port 7 Total, Chromium

pH READING	*SAMPLE LOCATION*
6.9	Sample Port 3B
7.0	Sample Port 6B
6.9	Sample Port 7

Notes: T3B failed to start on 6/9/07. No shutdown occurred. Onsite at 0830 to install new pump. Cleaned T3B check valve and installed new pump. Installed air blower and restarted aeration of T6A. Collected discharge compliance sampling for the GCTS. Met with Mike Hinton from the NYSDEC.

GCTS DATA RECORDING SHEET
AIRCO PARCEL, NIAGARA FALLS, NEW YORK

Date: 6/20/07	**Project No.:** 150C265.1005	**Greenstar Personnel:** Chip McLeod
Weather: Sunny, 70 Degrees, Windy		
READING		*ITEM*
227.5		Carbon Dioxide Storage Tank Pressure (220-235 psi)
6,175		Carbon Dioxide Tank Liquid Level
2.1		T1 Water Level
AUTO/CYCLING		Pump P1A Running Status ON/OFF
AUTO/CYCLING		Pump P1BA Running Status ON/OFF
6.7		T3 pH Reading
616.5		T3A Water Elevation
2.2		T3B Water Level
AUTO/CYCLING		Pump 3B Operational Status ON/OFF
612.1		T5 Water Level
AUTO/CYCLING		Pump 5 Operational Status ON/OFF
616.4		T6A Water Elevation
2.0		T6B Water Level
AUTO/CYCLING		Pump 6B Operational Status ON/OFF
615.2		T7 Water Level Reading
OFF		Pump 7 Operational Status
6,829,066		Flow Meter Reading
12 gpm (reset at 1237)		Average System Flow
READING	*Standard*	*LOCATION/PARAMETER*
0.176mg/l	0.011 mg/L	Sample Port 3B Hexavalent, Chromium
0.154 mg/L	0.050 mg/L	Sample Port 3B Total, Chromium
<0.003U mg/L	0.011 mg/L	Sample Port 6B Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 6B Total, Chromium
<0.002 mg/L	0.011 mg/L	Sample Port 7 Hexavalent, Chromium
<0.006U mg/L	0.050 mg/L	Sample Port 7 Total, Chromium
pH READING		*SAMPLE LOCATION*
6.7		Sample Port 3B
7.4		Sample Port 6B
8.1		Sample Port 7
8.4		Drainage Swale Discharge in SW Corner
Notes: Cleaned the pH probe, O_2 and CO_2 Diffusers. Increased CO_2 flow rate to reduce pH. Scheduled Sediment Pond A cleaning due to precipitate build-up. Scheduled iron replacement for 2 of the iron tanks.		

Attachment G.2

Airco Parcel GCTS
Monthly Flow Calculations
January– July 2007

Monthly Airco Parcel GCTS
Flow Calculations
January 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
01/01/07	35	11	15,854	4,460,917	24	0
01/02/07	36	5	8,174	4,469,091	15	18
01/03/07	35	9	14,173	4,483,264	24	0
01/04/07	36	10	15,195	4,498,459	24	0
01/05/07	38	12	17,473	4,515,932	24	0
01/06/07	39	12	17,445	4,533,377	24	0
01/07/07	37	11	15,840	4,549,217	24	0
01/08/07	37	10	15,763	4,564,980	24	0
01/09/07	36	10	15,766	4,580,746	24	0
01/10/07	35	10	14,502	4,595,248	24	0
01/11/07	36	10	14,772	4,610,020	24	0
01/12/07	36	11	16,246	4,626,266	24	0
01/13/07	37	11	16,250	4,642,516	24	0
01/14/07	36	10	15,298	4,657,814	24	0
01/15/07	36	12	17,364	4,675,178	24	0
01/16/07	36	10	14,684	4,689,862	23	23
01/17/07	35	10	14,889	4,704,751	23	26
01/18/07	35	9	14,259	4,719,010	23	36
01/19/07	35	10	14,934	4,733,944	23	43
01/20/07	35	10	14,959	4,748,903	23	42
01/21/07	38	9	14,015	4,762,918	23	37
01/22/07	35	10	15,180	4,778,098	23	50
01/23/07	35	9	13,478	4,791,576	23	50
01/24/07	35	10	14,448	4,806,024	23	44
01/25/07	35	9	14,293	4,820,317	23	54
01/26/07	40	9	13,371	4,833,688	23	53
01/27/07	34	9	13,276	4,846,964	23	41
01/28/07	35	9	13,112	4,860,076	22	46
01/29/07	35	6	9,966	4,870,042	4	34
01/30/07	35	5	8,062	4,878,104	4	34
01/31/07	35	4	6,424	4,884,528	8	57
Sample Measurement	**40**	**9.42**	**439,465**	**4,884,528**	**28**	**91%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
February 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
02/01/07	35	5	7,350	4,891,878	24	0
02/02/07	35	4	6,766	4,898,644	24	0
02/03/07	35	4	5,650	4,904,294	24	0
02/04/07	35	4	5,649	4,909,943	24	0
02/05/07	43	0	1,409	4,911,352	13	42
02/06/07	0	0	0	4,911,352	0	0
02/07/07	0	0	0	4,911,352	0	0
02/08/07	0	0	0	4,911,352	0	0
02/09/07	0	0	0	4,911,352	0	0
02/10/07	0	0	0	4,911,352	0	0
02/11/07	0	0	0	4,911,352	0	0
02/12/07	0	0	0	4,911,352	0	0
02/13/07	0	0	0	4,911,352	0	0
02/14/07	0	0	0	4,911,352	0	0
02/15/07	0	0	0	4,911,352	0	0
02/16/07	0	0	0	4,911,352	0	0
02/17/07	0	0	0	4,911,352	0	0
02/18/07	0	0	0	4,911,352	0	0
02/19/07	0	0	0	4,911,352	0	0
02/20/07	25	0	0	4,911,352	13	51
02/21/07	10	0	0	4,911,352	23	35
02/22/07	67	8	12,944	4,924,296	24	0
02/23/07	52	14	21,266	4,945,562	24	0
02/24/07	52	13	19,878	4,965,440	24	0
02/25/07	52	14	20,254	4,985,694	24	0
02/26/07	52	14	20,916	5,006,610	24	0
02/27/07	52	13	19,133	5,025,743	24	0
02/28/07	52	12	17,628	5,043,371	24	0
Sample Measurement	**67**	**3.75**	**158,843**	**5,043,371**	**13**	**47%**
	Daily Maximum (gpm)	Monitoring Period Average (gpm)	Monitoring Period Total (Gal)	Cumulative Total (Gal)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
March 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
03/01/07	52	10	15,778	5,059,149	24	0
03/02/07	52	13	19,997	5,079,146	24	0
03/03/07	52	9	13,336	5,092,482	24	0
03/04/07	52	11	16,270	5,108,752	24	0
03/05/07	51	8	12,662	5,121,414	24	0
03/06/07	51	8	11,864	5,133,278	24	0
03/07/07	51	8	12,486	5,145,764	24	0
03/08/07	51	7	11,216	5,156,980	24	0
03/09/07	51	7	11,392	5,168,372	24	0
03/10/07	51	8	12,473	5,180,845	24	0
03/11/07	51	6	9,794	5,190,639	24	0
03/12/07	51	6	9,421	5,200,060	24	0
03/13/07	51	6	8,788	5,208,848	24	0
03/14/07	51	6	9,675	5,218,523	24	0
03/15/07	51	5	8,541	5,227,064	24	0
03/16/07	51	5	8,370	5,235,434	24	0
03/17/07	50	6	9,191	5,244,625	24	0
03/18/07	50	6	8,862	5,253,487	24	0
03/19/07	50	6	8,821	5,262,308	24	0
03/20/07	50	6	8,818	5,271,126	24	0
03/21/07	50	5	8,262	5,279,388	24	0
03/22/07	50	5	8,340	5,287,728	24	0
03/23/07	51	5	8,112	5,295,840	24	0
03/24/07	51	6	8,751	5,304,591	24	0
03/25/07	51	5	7,485	5,312,076	24	0
03/26/07	51	6	9,805	5,321,881	24	0
03/27/07	51	5	8,361	5,330,242	24	0
03/28/07	51	5	7,232	5,337,474	24	0
03/29/07	50	5	7,292	5,344,766	24	0
03/30/07	51	5	8,027	5,352,793	24	0
03/31/07	50	5	7,279	5,360,072	24	0
Sample Measurement	**52**	**6.58**	**316,701**	**5,360,072**	**31**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
April 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
04/01/07	50	5	8,200	5,368,272	24	0
04/02/07	50	5	8,328	5,376,600	24	0
04/03/07	50	5	7,318	5,383,918	24	0
04/04/07	50	5	8,330	5,392,248	24	0
04/05/07	50	7	10,465	5,402,713	24	0
04/06/07	50	7	10,465	5,413,178	24	0
04/07/07	49	4	6,820	5,413,178	24	0
04/08/07	49	5	7,820	5,420,998	24	0
04/09/07	49	4	7,026	5,428,024	24	0
04/10/07	49	5	7,524	5,435,548	24	0
04/11/07	49	5	7,966	5,443,514	24	0
04/12/07	49	5	7,666	5,451,180	24	0
04/13/07	49	4	7,162	5,458,342	24	0
04/14/07	49	4	7,125	5,465,467	24	0
04/15/07	49	5	7,379	5,472,846	24	0
04/16/07	48	6	9,052	5,481,898	24	0
04/17/07	50	5	7,372	5,489,270	24	0
04/18/07	49	13	18,844	5,508,114	24	0
04/19/07	49	18	27,283	5,535,397	24	0
04/20/07	50	16	24,049	5,559,446	24	0
04/21/07	50	19	27,970	5,587,416	24	0
04/22/07	50	18	26,222	5,613,638	24	0
04/23/07*	**49**	**17**	**24,608**	**5,638,246**	**21**	**50**
04/24/07*	**49**	**18**	**26,131**	**5,664,377**	**23**	**59**
04/25/07*	**49**	**18**	**25,905**	**5,690,282**	**23**	**53**
04/26/07	48	18	26,420	5,716,702	24	0
04/27/07	48	17	24,740	5,741,442	24	0
04/28/07	48	17	24,664	5,766,106	24	0
04/29/07	48	16	24,008	5,790,114	24	0
04/30/07	48	16	23,575	5,813,689	24	0
Sample Measurement	**50**	**10.23**	**460,437**	**5,813,689**	**30**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Note: On 4/23/07 to 4/25/07 the T1 pump station was periodically turned off to allow the installation of cleanouts into the 3-in. HDPE discharge line. The system was operational in "Hand" made to prevent the uncontrolled release of impacted water.

Monthly Airco Parcel GCTS
Flow Calculations
May 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
05/01/07	48	15	22,982	5,836,671	24	0
05/02/07	48	15	22,085	5,858,756	24	0
05/03/07	48	15	22,614	5,881,370	24	0
05/04/07	47	15	22,614	5,903,984	24	0
05/05/07	47	15	21,607	5,925,591	24	0
05/06/07	47	15	21,878	5,947,469	24	0
05/07/07	47	15	22,101	5,969,570	24	0
05/08/07	46	15	21,972	5,991,542	24	0
05/09/07	46	15	21,806	6,013,348	24	0
05/10/07	46	16	23,124	6,036,472	24	0
05/11/07	46	15	22,564	6,059,036	24	0
05/12/07	46	15	21,703	6,080,739	24	0
05/13/07	45	15	21,651	6,102,390	24	0
05/14/07	45	14	21,132	6,123,522	24	0
05/15/07	45	15	22,498	6,146,020	24	0
05/16/07	45	15	22,032	6,168,052	24	0
05/17/07	45	15	21,630	6,189,682	24	0
05/18/07	45	14	20,888	6,210,570	24	0
05/19/07	45	14	21,138	6,231,708	24	0
05/20/07	45	14	21,406	6,253,114	24	0
05/21/07	45	14	20,848	6,273,962	24	0
05/22/07	45	14	20,340	6,294,302	24	0
05/23/07	46	14	20,918	6,315,220	24	0
05/24/07	46	14	20,303	6,335,523	24	0
05/25/07	46	13	20,053	6,355,576	24	0
05/26/07	46	13	19,554	6,375,130	24	0
05/27/07	46	13	19,706	6,394,836	24	0
05/28/07	46	13	19,508	6,414,344	24	0
05/29/07	46	13	19,958	6,434,302	24	0
05/30/07	46	16	23,514	6,457,816	24	0
05/31/07	46	13	19,194	6,477,010	24	0
Sample Measurement	**48**	**14.42**	**663,321**	**6,477,010**	**31**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage

Monthly Airco Parcel GCTS
Flow Calculations
June 2007

Date	Maximum Flow (gpm)	Average Flow Rate (gpm)	Total Daily Flow (Gal)	Total Gallons To Date (Gal)	Run Time (hours)	Run Time (minutes)
06/01/07	46	13	19,227	6,496,237	24	0
06/02/07	47	13	19,911	6,516,148	24	0
06/03/07	46	14	20,630	6,536,778	24	0
06/04/07	47	13	19,402	6,556,180	24	0
06/05/07	46	13	18,878	6,575,058	24	0
06/06/07	46	12	17,778	6,592,836	24	0
06/07/07	46	12	18,186	6,611,022	24	0
06/08/07	46	13	18,784	6,629,806	24	0
06/09/07	46	12	17,476	6,647,282	24	0
06/10/07	46	12	17,776	6,665,058	24	0
06/11/07	46	12	17,576	6,682,634	24	0
06/12/07	46	12	17,290	6,699,924	24	0
06/13/07	46	12	17,376	6,717,300	24	0
06/14/07	46	12	17,276	6,734,576	24	0
06/15/07	46	11	17,024	6,751,600	24	0
06/16/07	46	11	17,004	6,768,604	24	0
06/17/07	46	11	16,840	6,785,444	24	0
06/18/07	46	11	16,616	6,802,060	24	0
06/19/07	46	12	17,274	6,819,334	24	0
06/20/07	46	12	18,052	6,837,386	24	0
06/21/07	46	11	16,026	6,853,412	24	0
06/22/07	46	11	15,874	6,869,286	24	0
06/23/07	46	11	15,929	6,885,215	24	0
06/24/07	46	10	15,657	6,900,872	24	0
06/25/07	46	11	16,082	6,916,954	24	0
06/26/07	47	10	15,127	6,932,081	24	0
06/27/07	47	9	13,155	6,945,236	24	0
06/28/07	47	15	22,836	6,968,072	24	0
06/29/07	47	3	4,614	6,972,686	24	0
06/30/07	46	0	447	6,973,133	24	0
Sample Measurement	**47**	**11.14**	**496,123**	**6,973,133**	**30**	**100%**
	Daily Maximum (GPM)	Monitoring Period Average (GPM)	Monitoring Period Total (GAL)	Cumulative Total (GAL)	Runtime (Days)	Operational Percentage