

National Grid

M. Wallace and Son, Inc. Scrapyard Site Cobleskill, New York Site No. 4-48-003

January 2008



2007 OM&M Report

nationalgrid

January 29, 2008

Mr. Daniel Lightsey, P.E. New York State Department of Environmental Conservation Office of Environmental Quality, Region 4 1150 North Westcott Road Schenectady, NY 12306-2014

Re:

National Grid

M. Wallace and Son, Inc. Scrapyard Site, Cobleskill, New York

Site No. 4-48-003

Dear Mr. Lightsey:

Enclosed are one hard copy and one CD electronic copy of the 2007 OM&M Report for the M. Wallace and Son, Inc. Scrapyard Site, Cobleskill, NY (#4-48-003).

Within the document is the Biota Sampling & Analysis letter report from ARCADIS to National Grid regarding the October 2007 event. National Grid anticipates conducting the next event in the fall of 2009.

National Grid has evaluated the temporary water treatment system (300 gpm system) and determined it to be inadequate for further site use. As discussed previously, National Grid has made operational and specific system modifications to the permanent water treatment system that will meet site goals satisfactorily. National Grid plans to decommission the temporary water treatment system in 2008.

If you have any questions, don't hesitate to call me at 315-428-5652.

Matthew D. Millian for SPS

Steven P. Stucker, P.G.

Senior Environmental Engineer

National Grid

Enclosures

Cc:

Matthew Millias - CDM Timothy Beaumont - CDM

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Section 1 Introduction

1.1 Introduction

In July of 2006, the duties of operation, maintenance and monitoring (OM&M) of the M. Wallace and Son, Inc. Scrapyard Site in Cobleskill, New York were transferred by National Grid to Camp, Dresser & McKee (CDM). This report compiles the OM&M activities completed in 2007. The OM&M activities currently being conducted are based on the *Operation, Maintenance and Monitoring Plan* (OM&M Plan) submitted by National Grid to the New York State Department of Environmental Conservation (NYSDEC) in June 2004, with revisions submitted in January 2007 and approved by NYSDEC in February 2007.

1.2 Site Background

The Site is located at the intersection of New York State Route 10 (Elm Street) and Settles Mountain Road (formerly West Street) in the Village of Cobleskill, Schoharie County, New York (see Figure 1 – Site Location Map). The portion of the Wallace property located north of Route 10 is the "Site" and encompasses approximately 6 acres. The Site is bordered by Settles Mountain Road to the west; Route 10 to the south; several apartments and residential housing to the east; and a high school athletic field to the north. A site plan showing the location of features at the Site is presented on Figure 2 – Structure Location Map.

M. Wallace and Son, Inc. is an active salvage business that recovers and resells mechanical parts and materials. During the 1950s through the early 1980s, electrical transformers were purchased by the Site operator and transported to the scrapyard. The transformers were disassembled in the electrical equipment gut area to recover copper components, which were then resold. During these scrapping operations, dielectric fluid, some of which contained polychlorinated biphenyls (PCBs) was released to the ground surface. In June 1983, personnel from NYSDEC Bureau of Enforcement and Criminal Investigation (BECI) collected samples of soil in the electrical equipment gut area, sediment and water from the quarry pond, and sediment from the quarry pond outlet channel. The analytical results of the samples collected by BECI indicated that PCBs were present in soil, sediment, and surface water at the Site. In response to BECI's investigation, Schoharie County Department of Health (SCDH) sampled eight residential water supply wells near the Site. Results of this groundwater sampling indicated that purgeable aromatics, purgeable hydrocarbons, and PCBs were not detected in any of the residential water supplies sampled.

Due to the presence of PCBs at the Site, as identified by BECI's sampling, the Site was listed by the NYSDEC as a Class 2 Inactive Hazardous Waste Site (Site No. 4-48-003). In response to a lawsuit filed by the State of New York Attorney General, Niagara Mohawk Power Corporation and M. Wallace and Son, Inc., entered into an Interim Consent Order (Case No. 85-CV-219) in December 1987 to address the presence of



PCBs and other chemical constituents in environmental media at the Site. In March 1994, a permanent 100 gpm water treatment system, housed in a prefabricated building with concrete foundation located in the southwest corner of the property, was installed to fulfill the NYSDOL and NYSDEC's long-term treatment requirement. A temporary 300 gpm water treatment system, that is trailer mounted and housed in a sprung structure located in the lower section of the Site, was installed in March 1995 for use during periods when the recharge rate into the quarry pond exceeds the 100 gpm treatment capacity of the permanent system. The permanent 100 gpm and temporary 300 gpm water treatment systems are operated and maintained to prevent discharge of quarry pond water containing PCBs in excess of 65 ppt into the offsite stormwater drainage system. The 100 gpm treatment system is generally operated remotely through a computer telemetry system; and operation of the 300 gpm system requires manual manipulation of equipment by a fulltime onsite operator.

It should be noted that due to freeze/thaw damage over the years, the 300 gpm system is only capable of handling 90 gpm at most. CDM has been authorized to upgrade the permanent system so that the 300 gpm system can be dismantled. Several operational modifications to the permanent 100 gpm system have been completed to make the 300 gpm system unnecessary.

1.3 OM&M Overview

At this time, the following activities are conducted at the site on a routine basis:

- Discharge water from the primary water treatment system is sampled on a monthly basis and sent to a lab to be analyzed for PCB's by EPA Method 608.
- Influent water to the primary water treatment system is sampled semiannually and sent to a lab to be analyzed for PCB's by EPA Method 608.
- Semi-annual groundwater sampling is conducted at three off-site monitoring wells (C-20, C-21 and C-22). The samples are sent to a lab to be analyzed for PCB's by EPA Method 608 and the analytical results are sent for validation.
- LNAPL recovery systems are maintained on a monthly basis to collect any product present in monitoring wells/core holes C-3/MW-8 and C-4.
- General maintenance of the site grounds and all collection, treatment and recovery systems and visual inspection and documentation of the vegetative soil cover twice per year.

The following sections detail the activities listed above.



Section 2 Discharge Water Monitoring

2.1 General

During the reporting period, the permanent primary water treatment system was sampled. The sample locations are:

- NTS-BCW, located between carbon vessels A and B (also called the interim system water sample), sampled monthly;
- NTS-IW, located at the influent sampling port prior to the equalization tank (also called the influent water sample), sampled semi-annually; and
- NTS-EW, located prior to discharge into the backwash surge tank (also called the effluent water sample), sampled monthly.

The monthly sample NTS-BCW was discontinued starting in May 2007. For each sampling event, a set of duplicate samples is also collected and analyzed if PCB's are detected in excess of the 0.065 detection limit in the first sample. When the temporary secondary water treatment system is run in conjunction with the primary system, samples from additional sample points are collected. During 2007, the two systems were never run in conjunction; therefore no additional samples were collected.

2.2 Discharge Water Sampling Analytical Results

Samples collected each month of 2007 were processed by Test America (formerly STL) for PCB's using USEPA Method 608. All samples analyzed indicated that PCB's were not detected above the laboratory quantitation limit (see summary table on next page). Laboratory analytical results are included in Appendix B. Data validation is not required for these sample locations.



Discharge Water Analytical Results Summary

| Month | Sample Location NTS-BCW PCB Result | Sample Location NTS-IW PCB Result | Sample Location NTS-EW PCB Result |
|----------------|--|---|---|
| January 2007 | Non-Detect | No Sample | Non-Detect |
| February 2007 | Non-Detect | Non-Detect | Non-Detect |
| March 2007 | Non-Detect | No Sample | Non-Detect |
| April 2007 | Non-Detect | No Sample | Non-Detect |
| May 2007 | No Sample | No Sample | Non-Detect |
| June 2007 | No Sample | No Sample | Non-Detect |
| July 2007 | No Sample | No Sample | Non-Detect |
| August 2007 | No Sample | Non-Detect* | Non-Detect* |
| September 2007 | No Sample | No Sample | Non-Detect |
| October 2007 | No Sample | No Sample | Non-Detect |
| November 2007 | No Sample | No Sample | Non-Detect |
| December 2007 | No Sample | No Sample | Non-Detect |

^{*} PCB's were detected in the first sample analyzed; therefore the duplicates were also analyzed. There were no PCB's detected in the duplicate sample or in the second sample that was collected. Test America confirmed that it was a laboratory error by cross-contamination.



Section 3 Groundwater Monitoring

3.1 General

The spring semi-annual groundwater sampling event was conducted on April 10, 2007 and the fall semi-annual groundwater sampling event was conducted on October 2, 2007. Monitoring wells C-20, C-21 and C-22, located off-site on the west side of Settles Mountain Road, were sampled during each event and sent to Test America for PCB analysis. Duplicates of each sample (including the field duplicate) were also taken to be analyzed in case PCB's were detected in the initial sample. Static water levels of each well, purging data for the wells and the chain of custody for the samples are included in Appendix A.

3.2 Groundwater Sampling Analytical Results

Three aqueous samples and a field duplicate were processed for each event by Test America for low level TCL PCB's by USEPA CFR 136 Method 608, with additional QC requirements of the NYSDEC ASP. All samples analyzed indicated that PCB's were not detected above the laboratory quantitation limit. Due to the lack of PCB's contained in the first sample, the duplicate samples were not analyzed. Laboratory analytical results are included in Appendix B.

3.3 Analytical Results Data Validation

For the spring event, in summary, sample analyte values/reporting limits are usable as reported. All holding times were met and surrogate recoveries were within the required limits. Blanks showed no contamination. The matrix spikes of Aroclors 1016 and 1260 in C-20-0407 showed acceptable recoveries and duplicate correlations. The blind field duplicate correlations of C-21-0407 were also within guidance limits. An outlying surrogate calibration standard response was observed did not negatively impact the results of the samples. The confirmation column calibration standards responses fell well outside acceptable limits. However, the samples report no detection based upon acceptable primary column performance, and the confirmation column data are therefore no necessary. Also, although required of the laboratory deliverables, raw data are not identified with the client ID.

For the fall event, in summary, sample analyte values/reporting limits are usable, with reporting limits edited upward to reflect the processing. The reporting limits for the non-detected Aroclors have been raised to 0.10 ug/L from 0.065 ug/L, to reflect the lowest concentration supported by the instrument calibration range. All holding times were met and surrogate recoveries were within the required limits. Blanks showed no contamination. The matrix spikes of Aroclors 1016 and 1260 in C-20-1007 showed acceptable recoveries and duplicate correlations. The blind field duplicate correlations of C-21-1007 were also within guidance limits. An outlying surrogate calibration standard response was observed did not negatively impact the results of the samples. Both analytical columns show elevated responses for Aroclor 1260 in one



of the calibration standards. The samples results report no detection and are therefore not affected. Other confirmation column calibration standards responses fall outside acceptable limits. However, the non-detected results are based upon acceptable primary column performance, and the confirmation column data are therefore not necessary. The chromatograms are not scaled according to ASP requirements, but are normalized to a solvent peak. Therefore, independent verification of the reported non-detected results is not possible.

The data validation summary reports, as well as qualified report forms, are included in Appendix C.



Section 4 NAPL Monitoring

4.1 LNAPL Recovery Systems O&M

The LNAPL recovery systems (Abanaki Belt Skimmers) present in the monitoring wells/core holes C-3/MW-8 and C-4 were maintained on a monthly basis. See Appendix D for the monthly inspection spreadsheets. Minimal monthly maintenance was performed on the LNAPL recovery systems and is summarized below.

■ The recovery belt and pulley on C-3/MW-8 were replaced.

4.2 LNAPL Recovery

During 2007, one gallon of LNAPL was collected in C-3/MW-8. No LNAPL was detected in C-4. A summary of LNAPL recovery since 2004 is presented in the table below, with the next table presenting the combined amount of LNAPL for each reporting period and the total amount collected over the duration of the program.

Monthly LNAPL Recovery

| Date | C-3 | ?/MW-8 | C-4 | | | | |
|----------------|-------------------|-----------------|----------------|-----------------|--|--|--|
| Date | Inches in Drum | Gallons in Drum | Inches in Drum | Gallons in Drum | | | |
| 2004 | 1.5 | 1.50 | 0.75 | 0.75 | | | |
| 1/2005-6/2006 | 2.75 | 2.75 | 0.75 | 0.75 | | | |
| 7/2006-12/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 1/30/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 2/21/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 3/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 4/2/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 5/9/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 6/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 7/19/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 8/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 9/17/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 10/2/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 11/15/2007 | 3.75 | 3.75 | 0.875 | 0.88 | | | |
| 12/5/2007 | 3.75 | 3.75 | 0.875 | 0.88 | | | |

Yearly (Reporting Period) LNAPL Recovery

| Year | Combined Totals (gallons) |
|----------------|---------------------------------|
| 2004 | 2.25 |
| 1/2005-6/2006 | 1.25 |
| 7/2006-12/2006 | 0.13 |
| 2007 | 1.00 |
| Total | 4.63 |

CDM is currently coordinating disposal of the 4.63 gallons of LNAPL recovered since 2004, according to the drum within a drum procedures related to secondary containment. Going forward, National Grid plans to dispose of LNAPL on an annual basis.



Section 5 Operation and Maintenance Activities

5.1 2007 O&M Activities

A monthly site inspection was conducted and documented (including maintenance/inspection of the LNAPL recovery system). Discharge water sampling was conducted monthly as well. The primary water treatment system was operated as needed to maintain a quarry water level 6-8 ft above the bottom. A system operations table, Table 1, was complied for the site and includes the following information for each day readings were obtained:

- Date;
- Time;
- quarry level;
- coagulant tank level;
- back wash tank level;
- treated water flow;
- back wash flow;
- Influent pressure;
- MMF supply pressure;
- MMF discharge pressure;
- GAC filter discharge pressure;
- back wash supply pressure;
- influent water temperature;
- WTF room temperature;
- MMF effluent turbidity;
- GAC filter effluent turbidity;
- effluent Ph;
- MMF A elapsed run time; and
- MMF B elapsed run time.

The monthly averages for key information are summarized in the table below.



| 2007 Month | Days system operating | Average quarry level (feet) | Average gallons per minute | Total effluent (gallons) | Average effluent turbidity (NTU) | Average effluent PH |
|---------------|-----------------------------|--------------------------------------|----------------------------------|-----------------------------|---|---------------------------|
| January | 25 | 7.11 | 146.88 | 5,287,680.00 | 2.97 | 7.56 |
| February | 9 | 7.16 | 145.71 | 1,888,401.60 | 1.61 | 7.59 |
| March | 31 | 8.30 | 164.30 | 7,334,352.00 | 0.80 | 6.79 |
| April | 30 | 8.81 | 184.78 | 7,982,496.00 | 0.70 | 6.63 |
| May | 30 | 6.59 | 116.64 | 5,038,848.00 | 3.22 | 6.42 |
| June | 30 | 5.88 | 55.89 | 2,414,448.00 | 3.09 | 6.26 |
| July | 31 | 5.37 | 44.89 | 2,003,889.60 | 0.32 | 6.24 |
| August | 11 | 6.07 | 67.00 | 1,061,280.00 | 0.21 | 6.21 |
| September | 10 | 5.08 | 55.50 | 799,200.00 | 0.37 | 6.24 |
| October | 12 | 6.39 | 107.14 | 1,851,379.20 | 0.88 | 6.29 |
| November | 30 | 6.70 | 90.14 | 3,894,048.00 | 1.59 | 6.75 |
| December | 31 | 6.31 | 110.44 | 4,930,041.60 | 1.16 | 6.73 |
| Totals | 280 | 6.65 | 107.44 | 44,486,064.00 | 1.41 | 6.64 |

The general O&M activities completed by CDM are organized by month in the following sections.

5.2 January 2007 Operations and Maintenance Activities

During the month of January, the following OM&M activities were conducted by CDM:

Brady Fence installed approximately 210 feet of six foot high chain-link fence along the eastern property line on January 18 and 22, 2007. Brady Fence also removed the old fence panels and disposed of them offsite.



Fence Installation

Wiring was repaired on three of the four heaters within the LNAPL system buildings. The electrical connection wiring burned at the heater over time and shorted out the heaters. One heater unit was not repairable and a new heater was ordered.



A meeting was held with ASPLUNDH to discuss vegetation removal needs for 2007.

5.3 February 2007 Operations and Maintenance Activities

During the month of February, the following OM&M activities were conducted by CDM:

- During February the system was put into recirculation mode. This kept the submersible pumps from freezing. The water was pumped into the building and then back into the quarry. However, the effluent discharge piping then froze. CDM cut, removed, thawed, and replaced the piping.
- Received three new automatic control heads for KV-15, KV-16 & KV-17.
- Met with Mike Gray, the owner of Mike's Electric, to discuss the electrical needs at the site and setting up an MSA.
- Prepared a sketch of the current booster pump configuration for evaluation by CDM's constructor group.
- Replaced the heater within the LNAPL system buildings that was not repairable.
- Performed snow removal several times after the severe weather events.



5.4 March 2007 Operations and Maintenance Activities

During the month of March, the following OM&M activities were conducted by CDM:



- The system computer (purchased in 2002) utilized to operate the primary water treatment system was replaced on March 19, 2007 due to an irrecoverable hard drive failure. Environation obtained a new computer that could operate the system (the PLC system is operated by Allen Bradley software that does not recognize Windows Vista operating systems). Environation downloaded all the needed software and installed the computer on site. CDM re-installed the GoToMYPC software to remotely operate the system.
- The submersible quarry pump (P3; 10 HP purchased in February 2006; serviced by CDM in fall 2006) failed on March 27, 2007. CDM and Mike's Electric replaced P3 with a rental submersible pump (11 HP) while P3 was evaluated.
- Subcontracted Mike's Electric to provide services at the Cobleskill, NY site. Met with Mike's Electric to evaluate the primary water treatment system modifications. A quote for installing a variable frequency drive (VFD) for the submersible pump was issued.
- Performed snow removal several times after the severe weather events.

5.5 April 2007 Operations and Maintenance Activities

During the month of April, the following OM&M activities were conducted by CDM:

- CDM purchased and installed a new iTT Flygt submersible pump (P3; 15 HP) on April 25, 2007. The rental pump was removed.
- CDM removed one booster pump (P5; 5 HP) and installed a 4 inch bypass line to test the new submersible pump without a booster pump. The primary water treatment system was operated at flows up to 225 gpm without a booster pump.



Removed Booster; Installed 4" Bypass

■ Installed the control heads on three actuated valves KV-15, KV-16 and KV-17 within the primary water treatment building. There are still some programming issues to be resolved to finalize operation.

5.6 May 2007 Operations and Maintenance Activities

During the month of May, the following OM&M activities were conducted by CDM:



- A crew from Joanne Crum, L.S. was on-site to conduct surveying. They primarily verified elevations along the top of quarry to confirm the operational level sensor set points.
- Four drums of coagulant from Slack Chemical were delivered.
- Installed "No Trespassing" signs every 500-600 ft along the fence line.
- Installed new Vamein valves at KV-15, KV-16 and KV-17.
- Vegetation removal was performed as needed.

5.7 June 2007 Operations and Maintenance Activities

During the month of June, the following OM&M activities were conducted by CDM:

- NYSDEC has agreed with NG/CDM recommendation to eliminate the
 - "between carbon vessel" sample. The effluent sample remains as the required sampling point for compliance.
- Confirmed the quarry water level with the surveying data received from Joanne Crum, L.S.
- Vegetation removal was performed as needed.



Vegetation Removal

5.8 July 2007 Operations and Maintenance Activities

During the month of July, the following OM&M activities were conducted by CDM:

- Received quote on a new 10HP booster pump (P6). Both 5 HP booster pumps (P4 and P5) have failed and are out of service. They will not be needed with the new system setup. They have been removed and the piping is now straight through the system. All 3 pumps are the original booster pumps installed in 1993.
- Replaced existing paddle wheel



Failed Booster Pumps

flow meter (range 0-199 gpm) with a new magnetic flow meter (range 0-450 gpm). It has only been installed; Environation will be programming it in August. This is necessary to monitor flows above 199 gpm at the influent of the primary water treatment system.



Flow Meter

Repaired and stained/painted the outside pump house.





Repaired/Painted Pump House

 ASPLUNDH on-site to complete vegetation removal and spraying. Crushed stone was installed along the east side of the building and the main walkway.



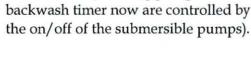


Crushed Stone Walkways

5.9 August 2007 Operations and Maintenance Activities

During the month of August, the following OM&M activities were conducted by CDM:

■ Fred Wilson of Environation programmed the new VFD on P3. Finished the installation and programming of the new magnetic flow meter. Necessary modifications to the PLC program also conducted. (i.e. co-ag pump and MM





- Running various test with the new VFD and flow meter to optimize the system. With the quarry at a low level of ~ 5 feet the testing will continue into next month.
- Sprayed a weather protection sealant on the safety railing and painted the bollards by the overhead door.



Bollards Painted Near Overhead Door



5.10 September 2007 Operations and Maintenance Activities

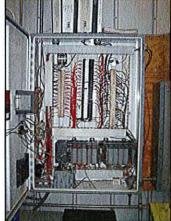
During the month of September, the following OM&M activities were conducted by CDM:

■ Received monthly influent and effluent water sample analysis from previous month. Detections were reported in each sample. Per the OM&M plan the

duplicate samples were then analyzed. No detections of PCBs were reported in the duplicate samples. Also as part of the plan weekly system sampling will occur. Weekly samples were collected on 9/18/2007 and 9/25/2007. No detection of PCBs was reported. CDM suspected a lab error with the detections. Test America (formerly STL Labs) confirmed a lab error. They will

issue a letter stating that during a batch run including the Cobleskill samples, there was laboratory cross contamination which impacted the results. Thus, there was no discharge compliance issue.

- The skimmer belt on C-3/MW-8 was coming apart and needed replacement. A new skimmer belt and pulley was put on order.
- Based on Environation's last site visit, Fred
 Wilson provided a quote to update the Allen
 Bradley PLC. The PLC power system is over
 extended and the backup battery needs replacement.



PLC System

- Running various tests with the new VFD and flow meter to optimize the system. With the quarry at a low level of ~ 5 feet the testing will continue into next month.
- Conducted a site visit with Steve Stucker on 9/14/2007. Gave an overview of the system upgrades that have happened to date and discussed the possibility of decommissioning the secondary (300 gpm) water treatment system due to its poor condition and nonuse.
- Tested the heat cable and controls that is used around the submersible pump culverts. This cable was not functioning properly last year. With keeping the quarry at levels of 5-9 feet it was decided that this cable needed to be replaced to keep the quarry from freezing around the culverts and heaving them up. Last year we used tank heaters inside the culverts with the pumps. We will continue to use them.



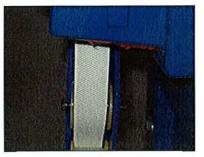
Heat Cable in Culvert

- Received a quote from Gartner Equipment for a new replacement 10 hp booster pump to replace P6.
- Renewed the GoToMyPC remote communication system software. Since this software has been used (1 year) CDM has had continuous remote communication with the system.

5.11 October 2007 Operations and Maintenance Activities

During the month of October, the following OM&M activities were conducted by CDM:

- The new skimmer belt and pulley was installed on C-3/MW-8.
- Running various test with the new VFD and flow meter to optimize the system.
 Let the quarry level rise over ~ 7 feet to allow for more head pressure and water flow inside the submersible culvert pipe.



Skimmer Belt Replacement

- Ordered and partially installed a new replacement 10 HP booster pump to replace P6. The new pump has a larger discharge and a new flange is being assembled and will be installed next month.
- Replaced the heat cable around the pump culvert pipe of P3.Tank heaters will also be used again inside the culverts with the pumps.
- ARCADIS performed biota sampling and analysis on October 22, 2007. Refer to Appendix F for the report.
- On October 22, 2007, CDM shadowed ARCADIS during the fall 2007 Fish Sampling Event. Mr. Brian Bennett (CDM biologist) served as the on-site field personnel during the one-day event at the Cobleskill Creek. CDM submitted a daily field report and photographic documentation of the event to NG.

5.12 November 2007 Operations and Maintenance Activities

During the month of November, the following OM&M activities were conducted by CDM:

- Completed the installation of the upgraded flange on the new 10 HP booster pump (P6)
- Installed a new heavy duty four inch discharge hose (with heat tape/foam insulation) on P3.
- Turned the heaters and heat tape on in the secondary treatment building.
- Coordinated with Environation regarding the performance of P3 along with the new VFD and flow meter. P3 the main submersible pump (15 HP) was taken to the ITT-Flygt service center in Rochester and serviced. Everything

was within specifications. The backup submersible pump (2 HP) operated during this period. Environation and ITT-Flygt are working together to resolve why the pump is not pumping the rated volume of the performance curve. The pump (P3) is back in service and operating while discussions occur.

Met with Mike's Electric on-site to discuss the new upgrades as well as the potential decommissioning of the secondary Water Treatment System.



Secondary Water Treatment System

5.13 December 2007 Operations and Maintenance Activities

During the month of December, the following OM&M activities were conducted by CDM:

Mike's Electric rebuilt 2 of the 3 non working heaters in the main treatment building. We now have 5 working heaters. They also repaired an outside security light and cleaned the roof gutters.



Primary Water Treatment Building

- Covered the fresh air vents in the LNAPL buildings to allow the electric heaters to cycle.
- Snow removal was performed at the site.
- Submitted SOW and RFQ to Calgon, TIGG and Carbtrol for carbon/multi-media replacement and disposal within the primary and secondary water treatment systems (disposal only).



Snow Removal

5.14 Completed O&M Recommendations

In the 2006 report, several recommendations were made for the site. The items completed are listed below.

- Only 7 drums of Slack co-ag were used to achieve 1.41 NTU's.
- The requirement to sample between Granular Carbon Activated (GAC) units within the primary system was eliminated.
- In accordance with the 2007 OM&M Plan, the site biota sampling/analysis was completed on October 22, 2007 (see Appendix F).
- The effluent sample location was relocated from the end of the discharge pipe located across Route 10 (an unsafe location) to a port within the water treatment building.
- The phasing out the Secondary Treatment System was evaluated. During 2007, the system was never used. Its capacity is less than 90 gpm and worsening with time and extreme weather conditions. NG has evaluated and determined dismantling is appropriate in 2008.
- The backflow prevention device test (DOH-form 1031) is no longer the responsibility of NG per the DEC letter to NG dated April 14, 2006 approving the "Maintenance and Monitoring Plan for the Northwest Portion of the M. Wallace and Son, Inc. Scrapyard Site".

5.15 Recommendations

CDM has the following recommendations for 2008:

- Keep the quarry level at approximately six feet to allow for the storage of more water during severe weather events.
- Continue to optimize the primary system.
 - Use 15hp submersible pump with VFD control.
 - Use GoToMyPC to keep daily control of the system.
 - Only use the 10hp booster pump when flows need to exceed 200 gpm.
 - O Decommission the temporary 300 gpm system as the capacity is now only at 90 gpm after the evaluation and repairs completed in 2005.
 - Use the 2hp submersible pump during the summer months (flows less than 50 gpm) to keep water flowing through the system and prevent biogrowth from clogging the system due to lack of flow.



The primary water treatment system can now be operated up to 190 gpm with the 15hp submersible pump and up to approximately 280 gpm when the 10hp booster pump is on to supplement the 15hp submersible pump.

- Dispose of recovered LNAPL on an annual basis.
- Based on the OM&M plan approved in February 2007, the next biota sampling event will be scheduled to occur in 2009.

Section 6 References

ARCADIS BBL. 2004. *Operation, Monitoring and Maintenance Plan*. M. Wallace and Son, Inc. Scrapyard Site, Cobleskill, New York. Prepared for and submitted by National Grid, Syracuse, New York.

ARCADIS BBL. Revised January 2007. *Operation, Monitoring and Maintenance Plan.* M. Wallace and Son, Inc. Scrapyard Site, Cobleskill, New York. Prepared for and submitted by National Grid, Syracuse, New York.

CDM. March 2007. *July 2006 to December 2006 OM&M Report*. M. Wallace and Son, Inc. Scrapyard Site, Cobleskill, New York. Prepared for and submitted by National Grid, Syracuse, New York.



Table 1 - 2007 System Operations

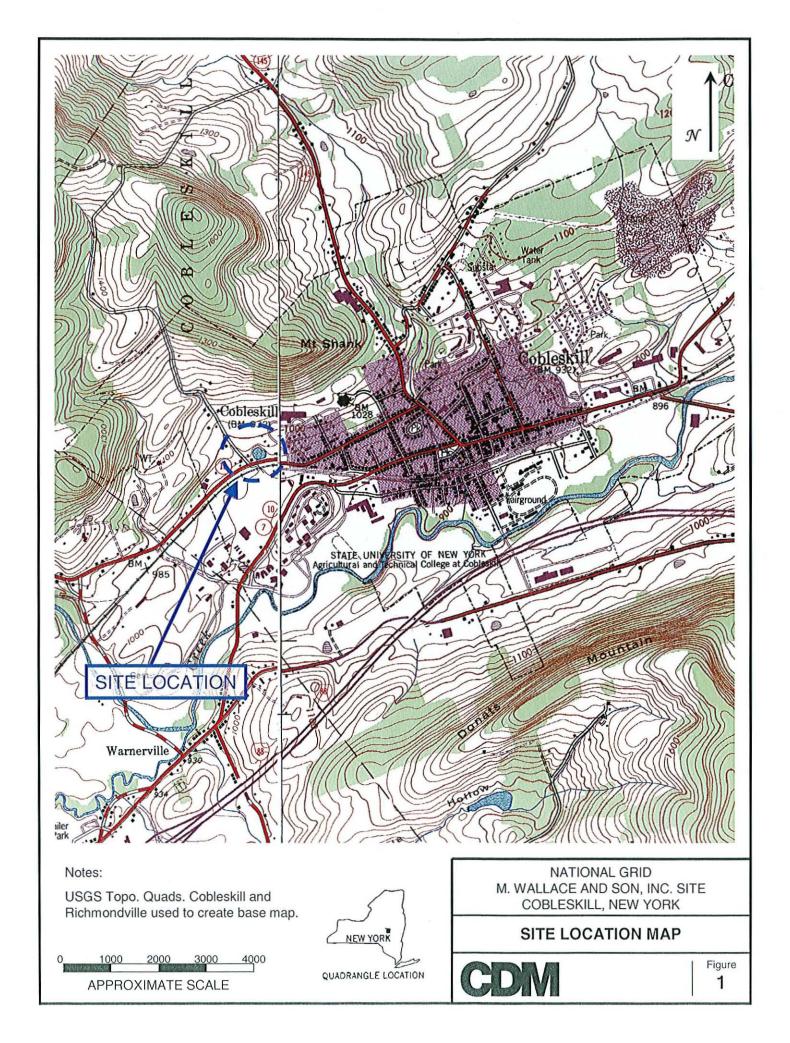
| D A | T I | Quarry Level | Coag Tank Level | Back Wash Tank Level | Treated Water Flow | Back Wash Flow | Influent Pressure | MMF Supply Pressure | MMF Discharge Pressure | GAC Filter Discharge Pressure | Back Wash Supply Pressure | Influent Water Temp | WTF Room Temp | MMF Effluent Turbidity | GAC Filter Effluent Turbidity | Effluent pH | MMF A Elapsed | MMF B Elapsed |
|------------|--------|-----------------|--------------------|----------------------------|--------------------------|-------------------|----------------------|---------------------------|------------------------------|-------------------------------------|---------------------------------|---------------------------|---------------------|------------------------------|-------------------------------------|----------------|---------------------|---------------------|
| T | M | | | Level | | | | Tressure | Tressure | Tressure | Tressure | Temp | remp | Turblany | Tello City | | Run Time | Run Time |
| E | E | FEET | INCHES | FEET | GPNI | GPM | GPM | PSI | PSI | PSI | PSI | * F | ° F | NTU | NTU | | 2.027 | 1411 |
| | | LT1 | LT2 | LT4 | FT1 | FT2 | PT1 | PT2 | PT3 | PT4 | PT5 | TT1 | TT2 | MT1 | MT2 | pН | MIN | MIN |
| 1/1/2008 | 1130 | 6.75 | 22.5 | 10.6 | 118 | | 33.1 | 31.2 | 27.8 | 6.1 | 3.8 | 40.0 | 66.3 | 1.91 | 0.83 | 6.65 | 188 | 378 |
| 12/31/2007 | 1900 | 6.80 | 22.7 | 10.6 | 118 | n/a | 32.9 | 30.9 | 27.4 | 6.2 | 3.8 | 40.0 | 65.8 | 2.01 | 0.89 | 6.64 | 363 | 163 |
| 12/31/2007 | 1130 | 6.83 | 22.8 | 10.6 | 118 | n/a | 32.8 | 30.7 | 27,2 | 6.2 | 3.8 | 40.0 | 66.4 | 2.10 | 0.86 | 6.65 | 302 | 102 |
| 12/29/2007 | 1315 | 6.70 | 23.5 | 10.6 | 121 | n/a | 31.6 | 29.6 | 26.3 | 6.2 | 3.8 | 40.0 | 67.9 | 2.20 | 0.89 | 6.71 | 256 | 56 |
| 12/27/2007 | 915 | 6.60 | 24.3 | 10.6 | 106 | n/a | 24.6 | 23.0 | 20.2 | 5.9 | 3.8 | 40.0 | 65.9 | 2.81 | 1.14 | 6.65 | 258 | 58 |
| 12/25/2007 | 1645 | 6.86 | 24.9 | 10.6 | 154 | n/a | 37.0 | 33.5 | 28.8 | 7.1 | 3.8 | 40.0 | 65.9 | 3.20 | 1.21 | 6.67 | 173 | 363 |
| 12/24/2007 | 2140 | 6.90 | 25.2 | 10.6 | 142 | n/a | 33.5 | 30.5 | 26.2 | 6.8 | 3.8 | 40.0 | 66.1 | 3.20 | 1.14 | 6.69 | 196 | 386 |
| 12/23/2007 | 815 | 5.81 | | | 76 | n/a | | | | | | | | | | | | |
| 12/20/2007 | 1300 | 5.84 | 26.8 | 10.6 | 76 | n/a | 15.8 | 14.8 | 12.9 | 5.4 | 3.8 | 39.0 | 66.3 | 1.81 | 0.93 | 6.83 | 163 | 354 |
| 12/17/2007 | 1545 | 6.04 | 27.9 | 10.6 | 102 | n/a | 18.3 | 16.7 | 13.9 | 5.8 | 3.8 | 38.0 | 65.8 | 2.20 | 1.51 | 6.71 | 291 | 91 |
| 12/17/2007 | 1420 | 5.98 | 14,2 | 10.2 | 121 | n/a | 27.9 | 25.7 | 22.4 | 6.2 | 3.4 | 39.0 | 65.5 | 2.49 | 1.18 | 6.75 | 242 | 42 |
| 12/15/2007 | 1500 | 6.11 | 14.9 | 10.6 | 120 | n/a | 26.7 | 24.4 | 20.9 | 6.2 | 3.8 | 40.0 | 63.7 | 3.00 | 1:40 | 6.71 | 134 | 324 |
| 12/14/2007 | 830 | 6.32 | 15.4 | 10.6 | 121 | n/a | 26.2 | 23.9 | 20.6 | 6.2 | 3.8 | 39.0 | 65.1 | 2.91 | 1.36 | 6.78 | 258 | 58 |
| 12/12/2007 | 815 | 6.17 | 16.1 | 10.6 | 75 | n/a | 16.1 | 15.2 | 13.4 | 5.3 | 3.8 | 38.0 | 66.1 | 2.39 | 1.11 | 6.90 | 91 | 281 |
| 12/7/2007 | 800 | 6.03 | 17.8 | 10.5 | 78 | n/a | 15.2 | 14.0 | 11.9 | 5.4 | 3.8 | 39.0 | 54.3 | 1.91 | 1.25 | 6.49 | 288 | 88 |
| 12/6/2007 | 700 | 6.07 | 18.2 | 10.5 | 79 | n/a | 15.2 | 13.8 | 11.2 | 5.4 | 3.8 | 39.0 | 52.3 | 1.40 | 1.00 | 6.51 | 351 | 151 |
| 12/5/2007 | 1120 | 6.03 | 17.4 | 10.6 | 95 | n/a | 22.9 | 21.4 | 18.9 | 5.6 | 3.8 | 39.0 | 56.5 | 1.60 | 1.04 | 6.87 | 76 | 266 |
| 12/4/2007 | 1300 | 6.07 | 18.2 | 10.6 | 126 | n/a | 31.1 | 28.6 | 24.2 | 6.3 | 3.8 | 38.0 | 55.9 | 1.60 | 1.18 | 6.89 | 293 | 127 |
| 12/2/2007 | 1240 | 6.35 | 20.1 | 10.6 | 160 | n/a | 38.2 | 34.5 | 28.6 | 7.2 | 3.8 | 38.0 | 54.5 | 2.59 | 1.70 | 6.94 | 119 | 309 |
| 11/29/2007 | 700 | 7.49 | 23.0 | 10.6 | 180 | n/a | 37.0 | 32.8 | 26.1 | 7.8 | 3.8 | 40.0 | 58.8 | 3.51 | 2.10 | 6.86 | 147 | 337 |
| 11/28/2007 | 2000 | 7.61 | 23.4 | 10.6 | 182 | n/a | 36.4 | 31.9 | 25.9 | 8.0 | 3.8 | 40.0 | 60.0 | 3.20 | 1.99 | 6.84 | 256 | 56 |
| 11/27/2007 | 1030 | 7.70 | 24.7 | 10.6 | 184 | n/a | 35.0 | 29.9 | 23.9 | 8.1 | 3.8 | 41.0 | 61.6 | 6.40 | 3.27 | 6.77 | 346 | 156 |
| 11/27/2007 | 745 | 8.00 | n/a | 10.5 | 69 | n/a | 12.0 | 11.0 | 9.5 | 5.3 | 3.8 | 41.0 | 61.2 | 3.98 | 1.88 | 6.77 | 177 | 377 |
| 11/26/2007 | 1250 | 7.44 | n/a | 10.5 | 63 | n/a | 12.7 | 11.8 | 10.6 | 5.2 | 3.8 | 40.0 | 60.9 | 2.81 | 1.47 | 6.81 | 293 | 94 |
| 11/24/2007 | 1300 | 7.34 | n/a | 10.6 | 64 | n/a | 12.3 | 11.4 | 10.1 | 5.2 | 3.8 | 40.0 | 60.8 | 3.10 | 1.59 | 6,84 | 146 | 336 |
| 11/19/2007 | 1100 | 6.71 | n/a | 10.0 | 62 | n/a | 11.1 | 10.3 | 9.0 | 5.2 | 3.4 | 41.0 | 60.9 | 3.10 | 1.66 | 6.78 | 274 | 84 |
| 11/18/2007 | 1300 | 6.65 | n/a | 10.6 | 63 | n/a | 11.0 | 10.3 | 8.9 | 5.2 | 3.8 | 42.0 | 62.9 | 3.51 | 1.88 | 6.76 | 127 | 327 |
| 11/16/2007 | 1152 | 6.40 | n/a | 10.6 | 64 | n/a | 10.5 | 9.6 | 8.3 | 5.2 | 3.8 | 44.0 | 63.1 | 5.59 | 2.94 | 6.68 | 298 | 108 |
| 11/15/2007 | 810 | 5.39 | 27.6 | 10.6 | 61 | n/a | 10.9 | 10.0 | 8.7 | 5.2 | 3.8 | 45.0 | 60.1 | 2.10 | 1.04 | 6.77 | 289 | 95 |
| 11/12/2007 | 830 | 5.33 | 30.7 | 10.6 | 64 | n/a | 10.9 | 10.0 | 8.5 | 5.2 | 3.8 | 43.0 | 56.2 | 1.69 | 1.08 | 6.85 | 278 | 84 |
| 11/8/2007 | 815 | 5.54 | 30.8 | 10.7 | 61 | n/a | 11.2 | 10.4 | 9.1 | 5.2 | 3.8 | 46.0 | 59.4 | 0.83 | 0.41 | 6.68 | 131 | 296 |
| 11/4/2007 | 1010 | 5.87 | 30.4 | 10.6 | 7.1 | n/a | 12,4 | 11.5 | 9.2 | 5.3 | 3.8 | 49.0 | 62.3 | 0.90 | 0.40 | 6.58 | 344 | 119 |
| 11/1/2007 | 1900 | 6.33 | 30.5 | 10.7 | 74 | | 11.4 | 10.4 | 8.8 | 5.4 | 3.8 | 52.0 | 64.8 | 1.04 | 0.51 | 6.48 | 389 | 164 |
| 10/31/2007 | 900 | 6.32 | 6.4 | 6.4 | 49 | n/a | 14.1 | 12.6 | 8.2 | 5.4 | 2.0 | 52.0 | 50.4 | 0.86 | 0.51 | 6.34 | 57 | 250 |
| 10/31/2007 | 1300 | 6.36 | 7.2 | 10.7 | 143 | n/a n/a | 22.3 | 19.3 | 15.8 | 6.8 | 3.8 | 55.0 | 58.0 | 1.96 | 1.01 | 6.32 | 264 | 67 |
| 10/27/2007 | 1725 | 6.42 | 7.4 | 10.7 | 90 | | 13.6 | 12.2 | 10.3 | 5.6 | 3.8 | 57.0 | 59.8 | 1.55 | 1.01 | 6.34 | 261 | 64 |
| 10/26/2007 | 1407 | 6.05 | 7.4 | 10.6 | 148 | n/a n/a | 22.5 | 19.4 | 15.5 | 6.9 | 3.8 | 57.0 | 59.6 | 2.06 | 1.02 | 6.35 | 184 | 377 |
| 10/22/2007 | 700 | 7.76 | 7.0 | 10,7 | 140 | 11/ d | 22.3 | 17.4 | 13.3 | 0.9 | 3.0 | 37.0 | 39.0 | 2.00 | 1.02 | 0.00 | 104 | 311 |
| 10/21/2007 | 1730 | 7.70 | | | | | | | | | | | | | | | | |
| | | 7.72 | | | Total Control of | | | | | | | | | | | | | |
| 10/19/2007 | 815 | | | | | | | | | | | | | | | | | |
| 10/17/2007 | 800 | 7.40 | | | | | | | | | | | | | | | | |
| 10/12/2007 | 845 | 6.86 | | | | | | | | | | | | | | | | |
| 10/7/2007 | 1800 | 5.41 | 0.0 | 10.0 | | | 0.0 | 0.1 | 7.1 | | 2.0 | (10 | (/ 2 | 1.01 | 0.00 | 640 | 161 | 257 |
| 10/3/2007 | 650 | 4.87 | 8.8 | 10.6 | 56 | n/a | 8.8 | 8.1 | 7.1 | 5.2 | 3.8 | 64.0 | 66.2 | 1.81 | 0.83 | 6.19 | 161 | 357 |
| 10/2/2007 | 1020 | 5.06 | 9.0 | 10.7 | 132 | n/a | 18.5 | 15.9 | 12.5 | 6.5 | 3.9 | 63.0 | 65.2 | 2.11 | 1.14 | 6.21 | 102 | 297 |
| 10/1/2007 | 1445 | 5.37 | 9.3 | 10.7 | 132 | n/a | 18.4 | 15.7 | 12.1 | 6.4 | 3.8 | 66.0 | 70.8 | 1.02 | 0.61 | 6.28 | 107 | 302 |
| 9/30/2007 | 1900 | 5.54 | | | | | | | | | | | | | SCHOOL S | | | |
| 9/27/2007 | 1040 | 4.70 | 0.7 | 10. | | | | | | | | *** | | 0.00 | | | 100 | 201 |
| 9/25/2007 | 2030 | 4.47 | 9.3 | 10.6 | 57 | n/a | 8.3 | 7.6 | 6.7 | 5.2 | 3.8 | 69.0 | 71.6 | 0.80 | 0.36 | 6.18 | 108 | 281 |
| 9/25/2007 | 800 | 4.48 | 9.3 | 10.6 | 56 | n/a | 9.2 | 8.5 | 7.5 | 5.2 | 3.8 | 65.0 | 67.1 | 0.48 | 0.25 | 6.22 | 167 | 371 |

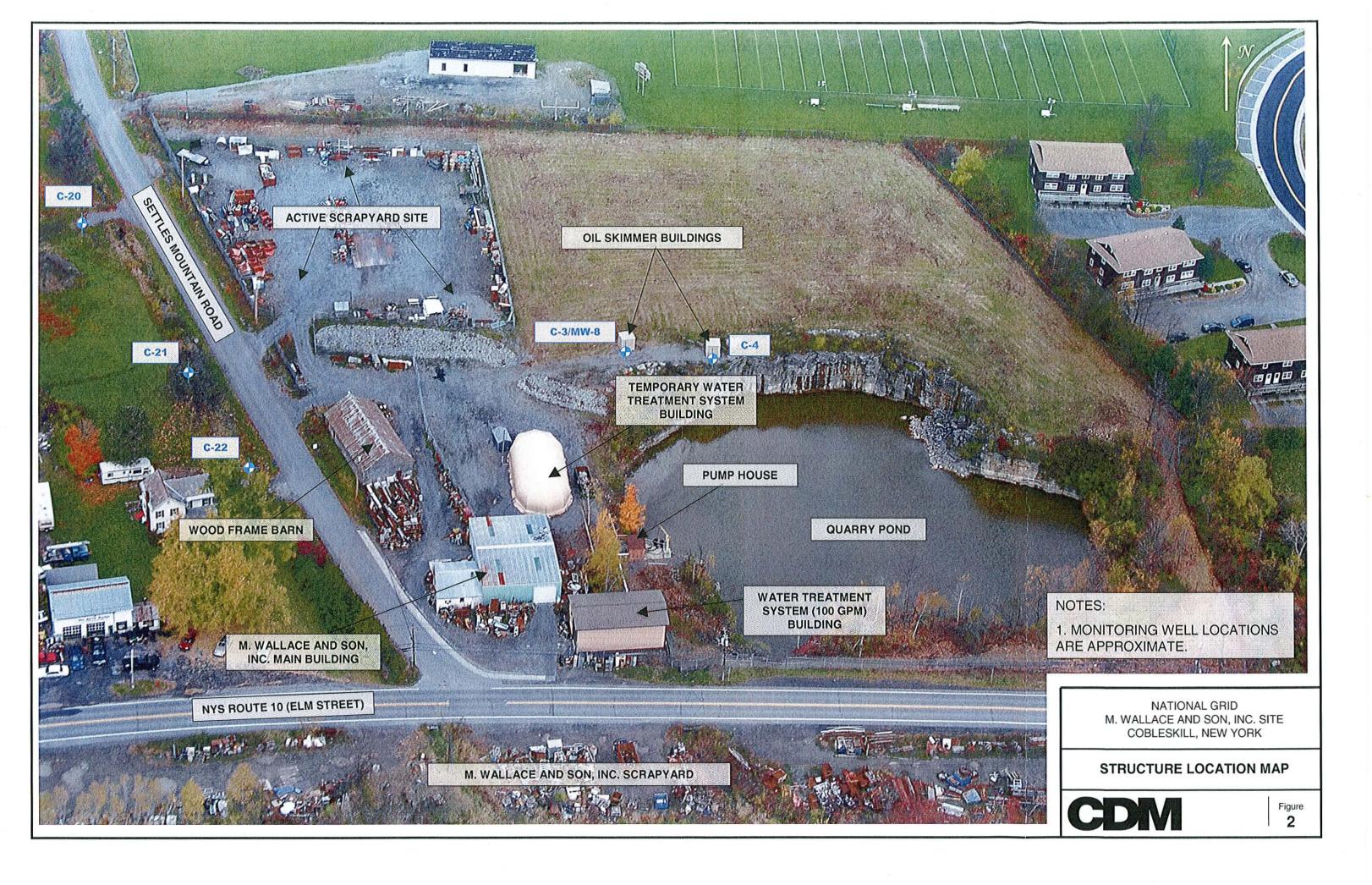
| D A T | T I M | Quarry Level | Coag Tank Level | Back Wash Tank Level | Treated Water Flow | Back Wash Flow | Influent Pressure | MMF Supply Pressure | MMF Discharge Pressure | GAC Filter Discharge Pressure | Back Wash Supply Pressure | Influent Water Temp | WTF Room Temp | MMF Effluent Turbidity | GAC Filter Effluent Turbidity | Effluent pH | MMF A Elapsed Run Time | MMF B Elapsed Run Time |
|------------------------|-------------|-----------------|--------------------|----------------------------|--------------------------|-------------------|----------------------|---------------------------|------------------------------|-------------------------------------|---------------------------------|---------------------------|---------------------|------------------------------|-------------------------------------|----------------|---------------------------------|---------------------------------|
| E | E | FEET LT1 | INCHES LT2 | FEET LT4 | GPNF FF1 | GPM FT2 | GPM PT1 | PSI PT2 | PSI PT3 | PSI PT4 | PSI PT5 | *F | TT2 | NTU MT1 | MT2 | pН | MIN | MIN |
| 9/21/2007 | 1325 | 4.93 | 10.2 | 10.6 | 56 | n/a | 8.9 | 8.2 | 7.2 | 5.2 | 3.8 | 66.0 | 68.9 | 0.91 | 0.47 | 6.25 | 194 | 388 |
| 9/18/2007 | 700 | 5.34 | 10.8 | 10.6 | 56 | n/a | 9.2 | 8.4 | 7.0 | 5.1 | 3.8 | 62.0 | 64.0 | 1.02 | 0.71 | 6.23 | 171 | 365 |
| 9/17/2007 | 1100 | 5.66 | | | | | | | | | | | | | | AND SERVICE OF | | |
| 9/15/2007 | 1400 | 5.58 | | | | | | | | | | | | | | | | |
| 9/14/2007 | 1230 | 5.45 | | | | | | | | | | | | | | | | |
| 9/10/2007 | 700 1130 | 5.07 4.96 | | | | | | | | | | | | | | | | |
| 9/7/2007 9/3/2007 | 1100 | 4.73 | 11.2 | 10.6 | 53 | 0 | 11.2 | 10.4 | 7.0 | 5.2 | 3.8 | 72.0 | 73.2 | 0.41 | 0.22 | 6.29 | 131 | 325 |
| 9/1/2007 | 938 | 5.14 | 12.0 | 10.6 | 55 | 0 | 10.3 | 9.7 | 6.9 | 5.2 | 3.8 | 72.0 | 72.6 | 0.41 | 0.22 | 6.28 | 288 | 92 |
| 8/29/2007 | 650 | 5.73 | 13.3 | 10.7 | 56 | 0 | 10.1 | 9.3 | 6.7 | 5.2 | 3.8 | 72.0 | 73.0 | 0.21 | 0.14 | 6.29 | 99 | 293 |
| 8/28/2007 | 650 | 5.90 | 13.8 | 10.7 | 56 | 0 | 9.5 | 8.9 | 7.5 | 5.2 | 3.8 | 74.0 | 69.5 | 0.21 | 0.13 | 6.15 | 310 | 114 |
| 8/24/2007 | 815 | 6.10 | 17.8 | 10.0 | 56 | 0 | 9.2 | 8.5 | 7.3 | 5.2 | 3.5 | 69.0 | 71.5 | 0.21 | 0.17 | 6.19 | 95 | 289 |
| 8/22/2007 | 641 | 6.27 | 19.9 | 5.8 | 57 | 0 | 9.1 | 8.4 | 7.3 | 5.2 | 1.7 | 68.0 | 69.9 | 0.21 | 0.21 | 6.23 | 541 | 45 |
| 8/21/2007 | 730 | 6.40 | 21.0 | 10.7 | 90 | 0 | 13.8 | 12.3 | 9.5 | 5.6 | 3.8 | 69.0 | 65.0 | 0.41 | 0.40 | 6.12 | 356 | 281 |
| 8/20/2007 | 2000 | 6.70 | | | 99 | | | | | | | | | | | | | |
| 8/20/2007 | 655 | 6.70 | | | | | | | | | | | | | | | | |
| 8/16/2007 | 735 | 6.60 | | | | | | | | | | | | | | | | |
| 8/13/2007 | 1036 | 6.53 | | | BOLDACTOR | | | | | | | | | | | | | |
| 8/9/2007 | 720 | 5.72 | | | 1000000 | | | | | | | | | | | | | |
| 8/2/2007 | 645 730 | 5.56 | _ | | | | | | | | | | | | Harris and the last | | | |
| 8/1/2007 7/31/2007 | 1930 | 5.55 5.54 | 21.2 | 3.7 | 45 | -5 | 14.2 | 7.9 | 7.5 | 5.1 | 1.1 | 78.0 | 80.4 | 0.41 | 0.28 | 6.17 | 232 | 26 |
| 7/30/2007 | 1300 | 5.58 | 21,2 | .5.7 | | -5 | 14,2 | 7.9 | 7.5 | 3.1 | 1.1 | 70.0 | 00.4 | 0.41 | V=0 | Jacob Letter | 204 | 20 |
| 7/29/2007 | 1348 | 5.57 | 23.4 | 10.3 | 55 | -5 | 14.4 | 8.2 | 7.6 | 5.1 | 3.8 | 74.0 | 77.0 | 0.31 | 0.17 | 6.23 | 132 | 316 |
| 7/25/2007 | 750 | 5.53 | 27.6 | 5.0 | 45 | -5 | 12.7 | 7.7 | 7.2 | 5.0 | 1.3 | 70.0 | 71.4 | 0.31 | 0.17 | 6.17 | 255 | 49 |
| 7/23/2007 | 1000 | 5.36 | | | | | | | | | | | | | Par Ashedi | HUANNESS | | |
| 7/20/2007 | 900 | 5.39 | 29.9 | 10.7 | 60 | -5 | 11.2 | 8.7 | 7.7 | 5.1 | 3.8 | 71.0 | 73.6 | 0.41 | 0.29 | 6.22 | 158 | 342 |
| 7/19/2007 | 645 | 5.20 | 3.7 | 10.7 | 65 | -5 | 10.0 | 9.2 | 7.9 | 5.2 | 3.8 | 71.0 | 73.5 | 0.51 | 0.39 | 6.26 | 139 | 323 |
| 7/18/2007 | 700 | 5.29 | | | | | | | | | | | | | | | | |
| 7/17/2007 | 1040 | 5.13 | 5.0 | 8.2 | 35 | -5 | 13.1 | 13.7 | 12.7 | 5.1 | 2.7 | 73.0 | 75.4 | 0.51 | 0.29 | 6.28 | 302 | 96 |
| 7/16/2007 | 1235 | 5.15 | 5.7 | 10.7 | 32 | -5 | 10.3 | 14.4 | 13.3 | 5.1 | 3.8 | 74.0 | 76.2 | 0.80 | 0.29 | 6.32 | 379 | 123 |
| 7/11/2007 | 1117 | 5.28 | 9.8 | 10.7 | 32 | -5 | 11.4 | 13.2 | 12.4 | 5.1 | 3.7 | 77.0 | 79.2 | 1.21 | 0.50 | 6.28 | 124 | 308 |
| 7/7/2007 | 1315 | 5,40 | 12.8 | 10.7 | 35 | -5 | 12.0 | 13.0 | 12.1 | 5.1 | 3.8 | 73.0 | 75.9 | 1.11 | 0.53 | 6.27 | 325 | 119 |
| 6/30/2007 | 2145 | 5.60 | 17.7 | 10.7 | 32 | -5 | 12.4 | 12.0 | 11.2 | 5.1 | 3.8 | 73.0 | 74.9 | 1.81 | 1.10 | 6.23 | 123 152 | 307 336 |
| 6/29/2007 6/27/2007 | 715 720 | 5.68 5.76 | 18.8 12.4 | 7.5 | 32 31 | -5 -5 | 12.5 13.1 | 12.0 13.0 | 11.1 | 5.1 5.2 | 3.8 | 73.0 73.0 | 75.9 75.5 | 2.20 | 1.65 | 6.22 | 9 | 193 |
| 6/22/2007 | 1130 | 5.84 | 15.8 | 8.9 | 42 | -5 -5 | 13.1 | 11.3 | 10.5 | 5.1 | 3.0 | 69.0 | 73.5 | 2.59 | 2.20 | 6.28 | 87 | 271 |
| 6/14/2007 | 730 | 5.84 | 22.8 | 3.8 | 43 | -5 | 14.0 | 10.4 | 9.7 | 5.2 | 1.1 | 70.0 | 74.1 | 2.30 | 3.11 | 6.16 | 28 | 212 |
| 6/13/2007 | 830 | 5.84 | 23.5 | 10.7 | 82 | -5 | 12.0 | 12.0 | 10.7 | 5.3 | 3.8 | 72.0 | 75.3 | 3.98 | 3.91 | 6.28 | 201 | 385 |
| 6/10/2007 | 1200 | 5.98 | 25.1 | 10.7 | 79 | -5 | 11.8 | 11.4 | 10.1 | 5.3 | 3.8 | 71.0 | 74.5 | 4.88 | 4.41 | 6.29 | 381 | 175 |
| 6/7/2007 | 815 | 6.15 | 27.3 | 10.7 | 82 | -5 | 11.9 | 11.3 | 10.2 | 5.3 | 3.8 | 61.0 | 65.7 | 5.09 | 4.92 | 6.35 | 129 | 313 |
| 6/4/2007 | 820 | 6,21 | 29.4 | 10.7 | 80 | -5 | 12.0 | 10.8 | 9.7 | 5.3 | 3.8 | 68.0 | 72.8 | 5.70 | 4.92 | 6.32 | 106 | 290 |
| 5/31/2007 | 2200 | 6.08 | 32.0 | 5.4 | 85 | -5 | 12.1 | 10.2 | 9.3 | 5.3 | 1.4 | 73.0 | 74.0 | 4.51 | 2.23 | 6.37 | 238 | 32 |
| 5/29/2007 | 1305 | 6.12 | 12,4 | 10.7 | 105 | -5 | 7.4 | 12.6 | 10.8 | 5.6 | 3.8 | 69.0 | 71.4 | 5.50 | 4.41 | 6.32 | 336 | 130 |
| 5/25/2007 | 715 | 6,42 | 16.4 | 10.7 | 109 | -5 | 8.0 | 11.7 | 10.2 | 5.6 | 3.8 | 65.0 | 68.7 | 4.79 | 4.17 | 6.38 | 79 | 263 |
| 5/23/2007 | 745 | 6.55 | 18.3 | 10.7 | 105 | -5 | 8.1 | 11.7 | 10.0 | 5.6 | 3.8 | 59.0 | 63.1 | 5.19 | 4.62 | 6.44 | 345 | 139 |
| 5/19/2007 | 915 | 6.43 | 22.7 | 10.7 | 108 | -5 | 8.7 | 11.1 | 9.4 | 5.5 | 3.8 | 57.0 | 61.9 | 5.15 | 4.70 | 6.51 | 142 185 | 326 369 |
| 5/17/2007 | 1230 | 6.50 | 24.8 | 10.6 | 105 | -5 E | 8.6 | 10.7 | 8.9 | 5.5 | 3.8 | 60.0 59.0 | 58.1 | 4.89 6.35 | 4.62 5.40 | 6.45 | 323 | 117 |
| 5/17/2007 | 750 750 | 6.52 | 25.1 29.0 | 10.7 | 147 | -5 -5 | 13.4 | 17.0 16.5 | 14.2 | 6.3 | 3.8 | 59.0 | 62.8 | 2.80 | 2.52 | 6.54 | 295 | 89 |
| 5/14/2007 | 710 | 7.07 | 30.2 | 10.7 | 151 | -5 -5 | 14.1 | 18.5 | 13.9 | 6.4 | 3.8 | 62.0 | 66.7 | 2.85 | 2.71 | 6.54 | 230 | 24 |
| 5/11/2007 | 715 | 6.64 | 30.2 | 5.5 | 155 | -5 | 13.9 | 15.6 | 13.2 | 6.5 | 1.5 | 62.0 | 69.0 | 2.59 | 2.74 | 6,65 | 42 | 226 |
| 5/9/2007 | 1700 | 6.64 | 50.0 | 5.5 | 103 | -5 | 13.7 | 15.0 | 13.2 | 0.0 | 1.0 | VaiV | 07.0 | 07 | | | - | |
| 0/ // 400/ | | | 0.0 | 10.7 | | - | 9.9 | 11.7 | 10.3 | 5.5 | 3.8 | 61.0 | 69.9 | 1.30 | 0.79 | 6.39 | 140 | 324 |
| 5/8/2007 | 1530 | 6.54 | 0.9 | 10.7 | 103 | -5 | 9.9 | 11./ | 10.5 | 3.3 | 0.0 | 01.0 | 09.9 | 1.50 | 0,2 | | 1.10 | |

| D A T | T I M | Quarry Level | Coag Tank Level | Back Wash Tank Level | Treated Water Flow | Back Wash Flow | Influent Pressure | MMF Supply Pressure | MMF Discharge Pressure | | Back Wash Supply Pressure | Influent Water Temp | WTF Room Temp | MMF Effluent Turbidity | GAC Filter Effluent Turbidity | Effluent pH | MMF A Elapsed Run Time | MMF B Elapsed Run Time |
|------------------------|--------------|-----------------|--------------------|----------------------------|--------------------------|-------------------|----------------------|---------------------------|------------------------------|------------|---------------------------------|---------------------------|---------------------|------------------------------|-------------------------------------|----------------------|---------------------------------|---------------------------------|
| E | E | FEET | INCHES | FEET | CPM | GPM | GPM | PSI | PSI | PSI | PSI | * F | *F | NTU | NTO | pH | MIN | MIN |
| 5/1/2007 | 2146 | LT1 6.90 | 7.4 | LT4 10.7 | FF1 103 | FT2 -5 | PT1 10.1 | PT2 11.5 | PT3 9.8 | PT4 5.5 | PT5 3.8 | TT1 53.0 | TT2 64.2 | MT1 1.50 | MT2 1.37 | 6.28 | 190 | 374 |
| 4/30/2007 | 1400 | 6.96 | 9.2 | 4.9 | 100 | -5 | 9.9 | 11.2 | 9.5 | 5.6 | 1.3 | 53.0 | 69.2 | 1.60 | 1.88 | 6.42 | 229 | 23 |
| 4/30/2007 | 745 | 6.90 | 10.1 | 10.7 | 197 | -5 | 10.2 | 44.5 | 38.4 | 10.7 | 3.8 | 50.0 | 69.1 | 1.50 | 1.22 | 6.62 | 175 | 360 |
| 4/29/2007 | 1040 | 7.29 | 11.2 | 10.7 | 197 | -5 | 10.2 | 43.4 | 37.9 | 10.8 | 3.8 | 51.0 | 70.1 | 1.31 | 1.04 | 6.56 | 83 | 267 |
| 4/27/2007 | 700 | 8.18 | 13.7 | 10.8 | 197 | -5 | 10.0 | 42.3 | 36.7 | 10.9 | 3.8 | 51.0 | 69.1 | 1.02 | 0.75 | 6.54 | 101 | 285 |
| 4/26/2007 | 900 | 8.55 | 14.8 | 10.8 | 197 | -5 | 10.1 | 41.4 | 35.1 | 11.0 | 3.8 | 49.0 | 66.9 | 1.02 | 0.71 | 6.54 | 339 | 133 |
| 4/25/2007 | 1000 | 8.78 | 15.7 | 10.7 | 197 | -5 | 8.7 | 36.5 | 30.8 | 10.3 | 3.8 | 51.0 | 70.0 | 1.02 | 0.60 | 6.51 | 367 | 161 |
| 4/24/2007 | 920 | 9.17 | 16.9 | 10.7 | 197 | -5 | 8.8 | 35.7 | 30.4 | 10.4 | 3.8 | 50.0 | 70.1 | 1.02 | 0.61 | 6.48 | 52 | 236 |
| 4/23/2007 | 2100 | 9.33 | 17.5 | 10.7 | 197 | -5 | 8.8 | 35.9 | 30.4 | 10.6 | 3.8 | 50.0 | 71.7 | 1.02 | 0.64 | 6.52 | 91 | 275 |
| 4/21/2007 4/20/2007 | 1248 1350 | 10.12 10.32 | 20.3 | 8.3 | 197 | -5 | 9.8 | 31.6 | 26.6 | 10.0 | 2.8 | 44.0 | 66.2 | 1.02 | 0.79 | 6.62 | 230 | 24 |
| 4/20/2007 | 630 | 10.35 | 21.8 | 10.6 | 197 | -5 | 9.6 | 30.8 | 25.0 | 10.0 | 3.8 | 42.0 | 61.2 | 1.02 | 0.61 | 6.54 | 359 | 153 |
| 4/19/2007 | 1530 | 10.41 | | 10.0 | Name In Str | | 7.0 | 50.0 | 25.0 | 10.0 | 5.0 | 42.0 | 01.2 | 1.02 | 0.01 | THE REAL PROPERTY. | 007 | 155 |
| 4/19/2007 | 645 | 10.22 | | | | | | | | | | | | | | | | |
| 4/18/2007 | 1930 | 10.03 | | | | | | | | | | | | | FELDE | | | |
| 4/18/2007 | 730 | 9.80 | 23.6 | 10.6 | 197 | -5 | 9.1 | 28.8 | 23.2 | 10.1 | 3.8 | 41.0 | 60.7 | 1.02 | 0.65 | 6.72 | 120 | 304 |
| 4/17/2007 | 2130 | 9.64 | | | | | | | | | | | | | | The same of the | | |
| 4/17/2007 | 730 | 9.10 | 24.8 | 10.6 | 197 | -5 | 8.6 | 28.0 | 22.3 | 10.1 | 3.8 | 39.0 | 59.7 | 1.01 | 0.65 | 6.79 | 262 | 56 |
| 4/16/2007 | 2015 | 8.64 | | | | | | | | | | | | | Barrier . | | | |
| 4/16/2007 | 1500 | 8.14 | 25.6 | 10.6 | 197 | -5 | 8.2 | 26.8 | 21.7 | 10.3 | 3.8 | 39.0 | 63.5 | 1.02 | 0.68 | 6.77 | 63 372 | 247 |
| 4/16/2007 4/15/2007 | 710 830 | 7.43 6.78 | 26.0 27.2 | 10.6 10.6 | 158 152 | -5 -5 | 12.2 12.1 | 17.5 16.9 | 13.9 13.5 | 7.2 7.2 | 3.8 | 38.0 41.0 | 61.6 | 1.02 | 0.58 | 6.88 | 192 | 166 376 |
| 4/14/2007 | 930 | 6.87 | 28.3 | 10.6 | 157 | -5 | 12.1 | 17.0 | 13.4 | 7.2 | 3.8 | 41.0 | 61.7 | 1.02 | 0.61 | 6.76 | 376 | 170 |
| 4/12/2007 | 2000 | 6.93 | 30.3 | 10.6 | 135 | -5 | 13.3 | 13.6 | 11.2 | 6.6 | 3.8 | 41.0 | 62.0 | 1.02 | 0.54 | 6.79 | 60 | 244 |
| 4/10/2007 | 1400 | 7.12 | 30.5 | 4.6 | 150 | -5 | 12.6 | 15.1 | 12.1 | 7.2 | 1.2 | 40.0 | 55.8 | 1.04 | 1.02 | 6.77 | 36 | 220 |
| 4/10/2007 | 900 | 7.17 | 25.5 | 10.6 | 197 | -5 | 9.2 | 43.2 | 38.2 | 9.8 | 3.8 | 40.0 | 60.7 | 1.02 | 0.54 | 6.75 | 104 | 288 |
| 4/8/2007 | 1138 | 7.91 | 27.8 | 10.6 | 197 | -5 | 9.1 | 42.0 | 36.6 | 10.2 | 3.8 | 40.0 | 61.5 | 1.03 | 0.55 | 6.67 | 115 | 299 |
| 4/6/2007 | 730 | 8.70 | 30.6 | 10.6 | 197 | -5 | 9.1 | 39.5 | 34.0 | 10.5 | 3.8 | 42.0 | 61.0 | 1.02 | 0.51 | 6.58 | 104 | 288 |
| 4/5/2007 | 700 | 9.00 | 31.8 | 10.7 | 197 | -5 | 9.1 | 38.6 | 32.4 | 10.7 | 3.8 | 44.0 | 63.9 | 1.02 | 0.50 | 6.57 | 194 | 378 |
| 4/4/2007 | 1900 | 9.10 | 29.6 | 10.7 | 197 | -5 | 9.0 | 37.4 | 31.8 | 10.9 | 3.8 | 45.0 | 65.5 | 1.02 | 0.54 | 6.58 | 250 | 44 |
| 4/3/2007 | 730 | 9.61 | 10.9 | 10.7 | 197 | -5 | 8.9 | 35.7 | 29.6 | 11.0 | 3.8 | 44.0 | 64.7 | 1.02 | 0.50 | 6.51 | 79 | 263 |
| 4/2/2007 | 1500 | 9.86 | 11.6 | 10.7 | 197 | -5 | 9.0 | 34.1 | 28.2 | 11.2 | 3.8 | 43.0 | 58.4 | 1.02 | 0.75 | 6.48 | 259 179 | 52 363 |
| 4/2/2007 4/1/2007 | 1300 2200 | 9.86 | 11.8 | 10.7 | 197 | -5 | 10.8 | 46.8 | 41.7 | 9.2 | 3.8 | 43.0 | 65.0 | 1.02 | 0.47 | 0.70 | 1/9 | 303 |
| 4/1/2007 | 1415 | 10.02 | | | AT BURE OF STREET | | | | | | | | | | | | | - |
| 4/1/2007 | 730 | 10.15 | 13.1 | 10.6 | 197 | -5 | 11.1 | 45.9 | 40.5 | 9.3 | 3.8 | 42.0 | 60.9 | 0.51 | 0.44 | 6.61 | 369 | 163 |
| 3/31/2007 | 2230 | 10.25 | 10.12 | 10.0 | Variation in | | | 20.7 | 10,0 | 7.0 | | | | | | | | |
| 3/31/2007 | 815 | 10.40 | 14.2 | 10.6 | 197 | -5 | 10.9 | 45.0 | 39.8 | 9.5 | 3.8 | 41.0 | 60.6 | 1.02 | 0.50 | 6.62 | 134 | 319 |
| 3/30/2007 | 1830 | 10.54 | | | | | | | | | | | | | | | | |
| 3/30/2007 | 930 | 10.62 | 15.3 | 10.6 | 197 | -5 | 10.9 | 43.8 | 38.2 | 9.6 | 3.8 | 41.0 | 61.4 | 1.02 | 0.54 | 6:65 | 333 | 127 |
| 3/29/2007 | 1630 | 10.76 | | | 198 80 83 | | | | | | | | | 1 | BERRY | Terran de la company | | |
| 3/29/2007 | 500 | 10.82 | 16.6 | 10.6 | 197 | -5 | 10.6 | 41.6 | 35.7 | 8.9 | 3.8 | 41.0 | 61.5 | 1.02 | 0.58 | 6.59 | 190 | 374 |
| 3/28/2007 | 2100 | 10.88 | | | ENERGY PARTY | | | | | | | | | | | | | \vdash |
| 3/28/2007 | 1030 845 | 10.91 | 17.6 | 10.7 | 107 | - | 10.4 | 20.2 | 22.2 | 10.1 | 20 | 41.0 | 62.4 | 1.03 | 0.50 | 6.70 | 140 | 324 |
| 3/28/2007 | 1900 | 10.91 | 18.2 | 10.7 | 197 197 | -5 -5 | 10.4 | 39.3 36.7 | 33.3 31.1 | 10.1 | 3.8 | 41.0 41.0 | 62.4 67.8 | 1.03 | 0.58 | 6.52 | 116 | 300 |
| 3/27/2007 | 1730 | 10.91 | 10,2 | 10.7 | ake personal | -5 | 10.2 | 30.7 | 31.1 | 10.5 | 3.0 | 41.0 | 07.0 | 1.02 | | DEL NO CONTRACTOR | 110 | 500 |
| 3/27/2007 | 1330 | 10.75 | | | | | | | | | | | | | RESERVAN | DEVENTOR OF | | |
| 3/27/2007 | 845 | 10.61 | 18.3 | 10.7 | 197 | -5 | 36.1 | 31.6 | 27.0 | 9.5 | 3.8 | 40.0 | 66.8 | 0.92 | 1.80 | 6.46 | 70 | 254 |
| 3/26/2007 | 2230 | 10.16 | -0.0 | - 40 | Reside | | | | | | | | | | | | | |
| 3/26/2007 | 1430 | 10.03 | 18.7 | 10.6 | 197 | -5 | 35.7 | 31.2 | 26.4 | 9.7 | 3.8 | 40.0 | 61.0 | 1.02 | 0.65 | 6.62 | 256 | 50 |
| 3/26/2007 | 945 | 9.96 | 18.8 | 10.6 | 173 | -5 | 37.2 | 34.5 | 30.9 | 8.1 | 3.8 | 40.0 | 59.6 | 1.02 | 0.50 | 6,58 | 48 | 232 |
| 3/25/2007 | 1845 | 9.90 | | | 2.050 | | | | | | | | | | | | | |
| 3/25/2007 | 745 | 9.83 | 20.1 | 10.6 | 175 | -5 | 37.2 | 33.9 | 30.2 | 8.3 | 3.8 | 40.0 | 59.1 | 0.92 | 0,51 | 6.62 | 52 | 236 |
| 3/24/2007 | 2200 | 9.65 | | | | 5 | | | | | | | | | | | | |

| 3/22/2007 | MMF aent A | MMF B |
|--|--|---------------------|
| E | H Elapsed Run Time | Elapsed Run Time |
| 173 172 173 172 173 173 171 172 173 171 173 171 172 173 | | |
| \$\frac{3}{3}2\rightarrow{2}{2}000\rightarrow{7}{2}100\rightarrow{8}{2}\frac{3}{2}200\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}00\rightarrow{9}{2}\frac{3}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\frac{3}{2}\frac{1}{2}\fr | MIN | MIN |
| 3/20/2007 2130 8.66 251 10.6 195 5 36.2 32.2 27.8 8.9 3.8 37.0 55.5 10.2 0.65 3/19/2007 1615 9.01 26.5 10.6 197 5 36.2 31.9 27.3 9.1 3.8 37.0 55.5 10.2 0.65 3/19/2007 700 9.00 10.7 18.8 5 34.0 38.5 35.1 7.7 3.8 38.3 1.02 0.95 3/19/2007 1800 9.10 10.7 18.8 5 34.0 38.5 35.1 7.7 3.8 38.3 1.02 0.95 3/14/2007 1800 9.10 10.7 18.8 5 34.0 38.5 35.1 7.7 3.8 38.3 1.02 0.95 3/14/2007 1800 5.7 2 3.1 10.6 88 1.0 1 | 8 117 | 301 |
| 3/20/2007 800 882 258 106 197 5 362 31.9 273 9.1 3.8 37.0 56.5 1.02 80.5 3/19/2007 700 9.00 10.7 198 5 35.4 31.3 26.8 37.0 39.5 9.5 9.2 10.3 3/19/2007 700 9.00 10.7 198 5 33.4 31.3 26.8 35.1 7.7 3.8 38.3 37.0 39.5 10.2 0.51 3/14/2007 1000 10 10 10 10 10 10 | 206 | 389 |
| 3/19/2007 1615 9.01 26.5 10.6 197 -5 35.4 31.3 26.8 9.4 3.8 37.0 59.5 0.92 10.4 | 309 | 103 |
| 3/19/2007 700 900 900 107 188 5 34.0 38.5 35.1 77 3.8 38.3 1.02 05.1 | 36 274 | 68 |
| 3/18/2007 1800 9.10 10 | 110 | 294 |
| \$\frac{3}{3}\frac{1}{2}\text{2007}\$ 1000 \$\frac{1}{3}\frac{1}{1}\frac{1}{2}\text{2007}\$ 1600 \$\frac{1}{2}\text{30.1}\$ 10.6 168 \$\frac{1}{8}\text{30.1}\$ 1.7 2007 2100 5.68 \$\frac{1}{8}\text{30.1}\$ 1.800 5.66 \$\frac{1}{8}\text{31}\text{12}\text{2007}\$ 1.800 5.66 \$\frac{1}{8}\text{31}\text{12}\text{2007}\$ 1.800 5.79 \$\frac{1}{8}\text{31}\text{20207}\$ 1.800 5.79 \$\frac{1}{8}\text{31}\text{20207}\$ 1.800 6.24 31.6 10.5 164 -5 24.6 27.9 24.0 7.8 3.8 35.0 53.8 1.02 0.98 3/3/2/2007 810 6.64 6.7 4.4 89 -5 10.2 10.1 9.6 5.0 1.1 36.0 57.4 0.92 0.93 3/4/2007 810 6.64 6.7 4.4 89 -5 10.2 10.1 9.6 5.0 1.1 36.0 57.4 0.92 0.93 3/4/2007 1.800 6.62 \$\frac{1}{8}\text{31}\text{30.2}\$ 1.80 6.62 \$\frac{1}{8}\text{31}\text{30.2}\$ 1.80 6.62 \$\frac{1}{8}\text{31}\text{30.2}\$ 1.80 6.62 \$\frac{1}{8}\text{31}\text{30.2}\$ 1.80 6.65 \$\frac{1}{8}\text{31}\text{30.2}\$ 1.80 1.05 99 -5 10.0 14.6 13.0 5.6 3.8 36.0 61.5 1.11 1.18 3.3 3/2/2007 1.900 6.61 11.0 10.3 86 -5 10.2 13.8 12.5 5.6 3.8 36.0 61.5 1.11 1.18 3.3 3/2/2007 2.000 6.24 3.18 10.6 99 -5 10.5 13.3 11.8 5.7 3.8 35.0 58.7 1.31 1.8 3/2/2007 7.15 3.82 3/2/2007 7.15 3.82 3/2/2007 7.15 3.82 3/2/2007 8.15 0.6 0.0 12 14.8 10.6 99 -5 10.5 13.3 11.8 5.7 3.8 35.0 58.7 1.31 1.32 3/2/2007 7.15 3.82 3/2/2007 8.15 0.6 0.0 12 14.8 10.6 138 -5 19.3 29.8 26.3 7.2 3.8 35.0 58.7 1.31 1.32 8/2/2/2007 8.0 6.5 7.5 16.7 10.6 138 -5 19.3 29.8 26.3 7.2 3.8 35.0 58.7 1.31 1.32 8/2/2/2007 7.00 8.0 0.2 14.8 10.6 138 -5 20.0 27.7 24.7 7.2 3.8 35.0 56.8 1.41 1.53 3/2/2007 7.00 8.0 0.2 14.8 10.6 138 -5 19.3 29.8 26.3 7.2 3.8 35.0 58.7 1.30 1.59 2/2/2/2007 7.00 5.0 6.2 14.8 10.6 138 -5 19.3 29.8 26.3 7.2 3.8 35.0 58.0 1.50 1.50 1.53 2/2/2/2007 7.00 8.0 8.0 21.6 10.6 138 -5 20.0 27.7 24.7 7.2 3.8 35.0 56.8 1.41 1.53 3.2 2/2/2/2007 7.00 8.0 6.2 14.8 10.6 138 -5 20.0 27.7 24.7 7.2 3.8 35.0 55.0 1.50 1.50 1.53 2/2/2/2007 7.00 8.0 6.3 8.0 21.6 10.6 138 -5 | 55 | |
| 3/11/2007 1800 5.72 30.1 10.6 1888 | 72 | - |
| \$\frac{3}{3}\frac{1}{2}\text{2007}\$ \text{830}\$ \text{5.72} \text{30.1} \text{10.6} \text{888} \text{888} \text{888} \text{880} \qq \ | | _ |
| \$\frac{3}{11/2007}\$\frac{7}{20}\$\frac{5}{5}9\$\frac{1}{8}\$\$ \$\frac{3}{11/2007}\$\frac{1}{200}\$\frac{5}{5}88\$\$ \$\frac{3}{11/2007}\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{11/2007}\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{11/2007}\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{3}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{1}{3}/11/2007\$\frac{1}{120}\$\frac{5}{5}88\$\$ \$\frac{1}{3}/11/2007\$\frac{5}{15}88\$\$ \$\frac{1}{3}/11/2007\$\frac{5}{15}89\$\$ \$\frac{1}{10}\$\frac{1}{12}\$\frac{5}{5}\$\frac{1}{13}\$\frac{1}{18}\$\frac{5}{5}\$\frac{1}{13}\$\frac{1}{18}\$\frac{1}{13}\$\frac{5}{5}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\frac{1}{13}\$\f | | _ |
| 3/11/2007 1800 5.68 | | _ |
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| 3/10/2007 1300 5.86 | 500 E | |
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| 3/8/2007 810 6.64 6.7 4.4 59 -5 10.2 10.1 9.6 5.0 1.1 36.0 57.4 0.92 0.93 3/6/2007 830 6.54 8.9 10.5 99 -5 10.0 14.6 13.0 5.6 3.8 36.0 55.0 1.02 0.91 3/4/2007 1200 6.61 11.0 10.3 96 -5 10.0 14.0 12.7 5.6 3.7 36.0 61.4 1.11 1.08 3/3/3/2007 1900 6.55 11.8 10.6 96 -5 10.2 13.8 12.5 5.6 3.8 36.0 61.5 1.11 1.18 3/2/2007 2000 6.24 3.7 3.9 3.8 3.8 3.8 3.8 3.0 61.5 1.11 1.18 3/2/2007 1540 6.10 3.7 3.9 7.3 9.3 -5 9.8 13.8 12.5 5.7 2.4 35.0 56.8 1.41 1.53 3/1/2007 2030 5.83 3.1/2007 3.0 6.02 14.8 10.6 99 -5 10.5 13.3 11.8 5.7 3.8 35.0 58.7 1.31 1.78 2/27/2007 1500 6.02 14.8 10.6 318 -5 19.3 29.8 26.4 7.1 3.8 35.0 58.7 1.30 1.34 2/2/23/2007 800 7.35 19.3 8.4 153 -5 24.4 35.8 24.7 7.2 37.2 35.0 58.0 1.50 1.50 2/2/2/2007 700 8.00 2.1.6 10.6 138 -5 20.0 27.7 24.7 7.2 3.8 35.0 57.5 1.60 1.67 2/2/2/2007 1800 8.17 22.2 10.7 160 -5 13.2 23.9 21.3 7.3 3.8 35.0 75.7 2/14/2007 730 7.77 9.7 9.7 9.7 2/14/2007 730 7.77 9.7 9.7 9.7 2/16/2007 730 7.77 9.7 9.7 9.7 2/16/2007 730 7.77 9.7 9.7 9.7 9.7 2/16/2007 735 6.76 9.7 9. | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 388 | 312 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 118 | 42 316 |
| 3/4/2007 1200 6.61 11.0 10.3 96 -5 10.0 14.0 12.7 5.6 3.7 36.0 61.4 1.11 1.08 | 383 | 316 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 4 61 | 383 |
| 3/2/2007 1540 6.10 | 21 200 | 132 |
| 3/2/2007 1540 6.10 | 200 | 102 |
| 3/2/2007 | 100 | |
| 3/1/2007 845 5.77 13.9 7.3 93 -5 9.8 13.8 12.5 5.7 2.4 35.0 56.8 1.41 153 2/27/2007 1500 6.02 15.9 10.6 99 -5 10.5 13.3 11.8 5.7 3.8 35.0 58.7 1.31 178 2/27/2007 900 6.02 14.8 10.6 148 -5 19.3 29.8 26.4 7.1 3.8 35.0 58.7 1.30 149 2/25/2007 1535 6.57 16.7 10.6 147 -5 19.7 29.3 26.3 7.2 3.8 35.0 58.7 1.30 149 2/25/2007 1535 6.57 16.7 10.6 147 -5 19.7 29.3 26.3 7.2 3.8 35.0 58.0 1.50 1.50 1.53 2.22/2007 635 7.67 20.5 10.6 158 -5 20.0 <td< td=""><td>A STATE OF THE STA</td><td></td></td<> | A STATE OF THE STA | |
| 2/27/2007 1500 6.02 15.9 10.6 99 -5 10.5 13.3 11.8 5.7 3.8 35.0 58.7 1.31 1.78 2/27/2007 900 6.02 14.8 10.6 148 -5 19.3 29.8 26.4 7.1 3.8 35.0 58.7 1.30 1.49 2/25/2007 1535 6.57 16.7 10.6 147 -5 19.7 29.3 26.3 7.2 3.8 35.0 59.6 1.50 1.62 2/23/2007 800 7.35 19.3 8.4 153 -5 24.4 35.8 24.7 7.2 37.2 35.0 58.0 1.50 1.53 2/22/2007 635 7.67 20.5 10.6 158 -5 20.0 27.7 24.7 7.2 38.8 35.0 57.5 1.60 1.53 2/21/2007 700 8.00 21.6 10.6 155 -5 13.8 | R. C. | |
| 2/27/2007 900 6.02 14.8 10.6 148 -5 19.3 29.8 26.4 7.1 3.8 35.0 58.7 1.30 149 2/25/2007 1535 6.57 16.7 10.6 147 -5 19.7 29.3 26.3 7.2 3.8 35.0 59.6 1.50 1.62 2/23/2007 800 7.35 19.3 8.4 153 -5 24.4 35.8 24.7 7.2 37.2 35.0 58.0 1.50 1.53 2/22/2007 635 7.67 20.5 10.6 158 -5 20.0 27.7 24.7 7.2 38.8 35.0 57.5 1.60 1.53 2/21/2007 700 8.00 21.6 10.6 155 -5 13.8 26.3 23.3 7.1 3.8 35.0 57.5 1.60 1.67 2/20/2007 1800 8.17 22.2 10.7 160 -5 13.2 | 38 37 | 359 |
| 2/25/2007 1535 6.57 16.7 10.6 147 -5 19.7 29.3 26.3 7.2 3.8 35.0 59.6 1.50 1.62 2/23/2007 800 7.35 19.3 8.4 153 -5 24.4 35.8 24.7 7.2 37.2 35.0 58.0 1.50 1.53 2/22/2007 635 7.67 20.5 10.6 158 -5 20.0 27.7 24.7 7.2 38.8 35.0 57.5 1.60 1.67 2/21/2007 700 8.00 21.6 10.6 158 -5 13.8 26.3 23.3 7.1 3.8 35.0 57.5 1.60 1.67 2/20/2007 1800 8.17 22.2 10.7 160 -5 13.2 23.9 21.3 7.3 3.8 35.0 73.6 2.20 1.55 2/18/2007 1615 7.99 9.7 9.7 35.0 75.0 35.0 | 262 | 194 |
| 2/23/2007 800 7.35 19.3 8.4 153 -5 24.4 35.8 24.7 7.2 37.2 35.0 58.0 1.50 1.53 2/22/2007 635 7.67 20.5 10.6 158 -5 20.0 27.7 24.7 7.2 3.8 35.0 57.5 1.60 1.67 2/21/2007 700 8.00 21.6 10.6 155 -5 13.8 26.3 23.3 7.1 3.8 35.0 61.3 3.10 1.66 2/20/2007 1800 8.17 22.2 10.7 460 -5 13.2 23.9 21.3 7.3 3.8 35.0 73.6 2.20 1.55 2/20/2007 80 8.14 9.7 9.7 35.0 75.4 2.0 1.55 2/18/2007 76.15 7.99 9.7 35.0 75.7 35.0 75.7 36.0 76.4 36.0 76.4 36.0 74.8 2/1/20/20/20 | 366 | 298 |
| 2/22/2007 635 7.67 20.5 10.6 158 -5 20.0 27.7 24.7 7.2 3.8 35.0 57.5 1.60 1.67 2/21/2007 700 8.00 21.6 10.6 155 -5 13.8 26.3 23.3 7.1 3.8 35.0 61.3 3.10 1.66 2/20/2007 1800 8.17 22.2 10.7 160 -5 13.2 23.9 21.3 7.3 3.8 35.0 73.6 2.20 1.55 2/20/2007 800 8.14 9.7 9.7 35.0 75.4 2.20 1.55 2/18/2007 730 7.77 9.7 9.7 35.0 75.0 35.0 75.7 2/14/2007 36.0 76.4 36.0 76.4 36.0 74.8 2/18/2007 745 6.76 9.7 36.0 74.8 36.0 75.0 36.0 75.0 36.0 74.8 36.0 74.8 36.0 7 | 75 227 | 160 |
| 2/21/2007 700 8.00 21.6 10.6 155 -5 13.8 26.3 23.3 7.1 3.8 35.0 61.3 3.10 1.66 2/20/2007 1800 8.17 22.2 10.7 160 -5 13.2 23.9 21.3 7.3 3.8 35.0 73.6 2.20 1.55 2/20/2007 800 8.14 9.7 9.7 35.0 75.4 35.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.7 75.0 75.7 75.0 75.7 75.0 75.7 75.0 75.7 75.0 75.7 75.0 75.7 75.0 75.7 75.0 | 10 | 332 |
| 2/20/2007 1800 8.17 22.2 10.7 168 -5 13.2 23.9 21.3 7.3 3.8 35.0 73.6 2.20 1.55 2/20/2007 800 8.14 9.7 35.0 75.4 35.0 75.0 <td< td=""><td>49</td><td>371</td></td<> | 49 | 371 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 35 231 19 222 | 163 154 |
| 2/18/2007 1615 7.99 9.7 2/16/2007 730 7.77 9.7 2/14/2007 850 7.41 9.7 2/11/2007 1715 7.09 9.7 2/8/2007 745 6.76 9.7 2/4/2007 1530 6.38 9.7 2/1/2007 820 6.00 | 244 | 154 |
| 2/16/2007 730 7.77 9.7 2/14/2007 850 7.41 9.7 36.0 76.4 2/11/2007 1715 7.09 9.7 36.0 74.8 2/8/2007 745 6.76 9.7 36.0 75.0 2/4/2007 1530 6.38 9.7 36.0 74.8 2/1/2007 820 6.00 36.0 74.8 | | |
| 2/14/2007 850 7.41 9.7 36.0 76.4 2/11/2007 1715 7.09 9.7 36.0 74.8 2/8/2007 745 6.76 9.7 36.0 75.0 2/4/2007 1530 6.38 9.7 36.0 74.8 2/1/2007 820 6.00 36.0 74.8 | ID SOL | |
| 2/11/2007 1715 7.09 9.7 2/8/2007 745 6.76 9.7 2/4/2007 1530 6.38 9.7 2/1/2007 820 6.00 | 9/10 | |
| 2/8/2007 745 6.76 9.7 2/4/2007 1530 6.38 9.7 2/1/2007 820 6.00 | | |
| 2/1/2007 820 6.00 | | |
| | | |
| 1/31/2007 708 5.88 | | |
| | C(2) | |
| TO THE COURSE OF THE PROPERTY | 59 173 | 105 |
| | 64 | 386 |
| A CONTRACTOR OF THE PARTY OF TH | 290 | 222 |
| | 113 | 45 |
| | 17 148 19 183 | 80 115 |
| | 163 | 151 |
| | 219 | 178 |
| | 146 | 78 |
| | 70 64 | 386 |

| D A T | T I M | Quarry Level | Coag Tank Level | Back Wash Tank Level | Treated Water Flow | Back Wash Flow | Influent Pressure | MMF Supply Pressure | MMF Discharge Pressure | GAC Filter Discharge Pressure | | Influent Water Temp | WTF Room Temp | MMF Effluent Turbidity | GAC Filter Effluent Turbidity | Effluent pH | MMF A Elapsed Run Time | MMF B Elapsed Run Time |
|-------------|-------------|-----------------|--------------------|----------------------------|--------------------------|-------------------|----------------------|---------------------------|------------------------------|-------------------------------------|-----|---------------------------|---------------------|------------------------------|-------------------------------------|----------------|---------------------------------|---------------------------------|
| E | E | FEET | INCHES | FEET | GPM | GPM | GPM | PSI | PSI | PSI | PSI | ° F | * F | NTU | NTU | На | MIN | MIN |
| | | LT1 | LT2 | LT4 | FT1 | FT2 | PT1 | PT2 | PT3 | PT4 | PT5 | TT1 | TT2 | MT1 | MT2 | | WIIIV | WIIIN |
| 1/11/2007 | 745 | 7.62 | 6.6 | 10.6 | 165 | -5 | 21.2 | 30.6 | 27.5 | 7.7 | 3.8 | 39.0 | 61.0 | 3.00 | 2.87 | 7.58 | 213 | 145 |
| 1/10/2007 | 730 | 7.64 | 7.2 | 10.6 | 161 | -5 | 20.2 | 29.1 | 25.7 | 7.7 | 3.8 | 40.0 | 60.9 | 2.81 | 2.90 | 7.48 | 309 | 232 |
| 1/9/2007 | 1250 | 7.68 | 7.8 | 9.7 | 145 | -5 | 22.1 | 37.5 | 35.0 | 6.9 | 3.4 | 41.0 | 60.1 | 3.00 | 2.84 | 7.54 | 40 | 353 |
| 1/8/2007 | 1030 | 7.34 | 8.9 | 7.7 | 136 | -5 | 22.3 | 36.5 | 34.2 | 7.0 | 2.6 | 42.0 | 61.4 | 3.10 | 2.91 | 7.61 | 30 | 343 |
| 1/6/2007 | 1040 | 7.14 | 10.9 | 10.6 | 151 | -5 | 22.3 | 35.9 | 33.2 | 7.0 | 3.8 | 42.0 | 63.1 | 2.91 | 2.84 | 7.69 | 303 | 226 |
| 1/5/2007 | 835 | 7.15 | 12,1 | 10.7 | 154 | -5 | 22,1 | 34.0 | 31.2 | 7.1 | 3.8 | 39.0 | 71.5 | 4.20 | 3.89 | 7.58 | 310 | 233 |





Offsite Well Inspection Forms April Semi-Annual Sampling Event

| Vell ID. | Sample? | Well Size | DTW | DTP | DTB | Comments |
|----------|---------|-----------|-------|-----|-------|------------------------------|
| C-20 | yes | 4" | 31.60 | | 70.22 | Installed a modified 4" cap. |
| C-21 | yes | 4" | 17.50 | | 64.20 | |
| C-22 | yes | 4" | 11.80 | | 50.95 | |

| | | | | | | | | ويطنان والتسميرين |
|------------------------------|--------------------------------|--------------------------------------|----------------|---|------------------------|--|----------------------------------|-----------------------|
| Sampling Pe | ersonnel: Ti | m Beaumont | | | Date: | 4/10/07 | | |
| ಾ Number | : 36380.51170 |) | · | | Weather: | Pantly | Cloudy 30 | <u> </u> |
| Well Id. | C-20 | | | | Time In: | 0900 | Time Out | : 1021_ |
| Well in | formation | _ | | _ | | | | |
| | | | TOC | Other | Well Type | | ushmount 🔀 📑 | Stick-Up |
| Depth to Wa | | (feet) | 31.60 | | Well Lock | | Yes | No X |
| Depth to Bot | | (feet) | 70.22 | | - | Point Marked: | | No X |
| Depth to Pro | duct: ater Column: | (feet) | 2017 | | Well Mate Well Diam | | | her: steel her: 4" |
| | ater Column: Vater in Well: | (feet) (gal) | 38.62 25.49 | | Comment | | | uer: ——— |
| Three Well V | | (gal) | 76.47 | | | | modifi <u>e</u> d 4" <u>ca</u> p |) |
| | Information | | | | - 🖂 | | Conversion F | Factors |
| Purging Meth Tubing/Baile | | Baile: Teflor | - | _ | ethylene | gal/ft | 1" ID 2" ID | 14 10 10 12 |
| Sampling Me | | Baile | | | etnylene os Pump | of wate | r 0.04 0.16 | 0.66 1.47 |
| Average Pun | | | 250 | | אייאן אייווא פי | | llon=3.785L=3785n | |
| Duration of F | | (min) | 30 | | | <u> </u> | 1017 | |
| Total Volume | | | | Did well go dry? | Yes No | X | | |
| riba U-22 | Water Quality | Meter Used? | Ye | s No | | | of the water colum | n 51 ft. |
| Time | DTW | Amount | рН | Conductivity | Turbidity | DO | Temp | ORP |
| | (feet) | purged (gal) | | (mS/cm) | (NTU) | (mg/L) | ·c | (mV) |
| 930 | 33.72 | | 6.92 | ,660 | 52.6 | 8.30 | /0.28 | -88 |
| 935 | 34.00 | ļ | 6.83 | 1657 | 61.0 | 6.60 | 10.25 | -90 |
| 940 | 34.35 | | 6.81 | 1625 | 61.2 | 650 | 10.30 | -89 |
| 950 | 37.37 | | 6.82 | 023. | 62.1 | 6.81 | 10.31 | -87 |
| 755 | 36.00 | | 6.87 | .649 | 59.2 | 6.72 | 10.34 | -75 |
| 1000 | 36.52 | | 6.81 | .649 | 58.6 | 6.57 | 10.36 | -74 |
| 1_0 | | | 7.6.7 | 1 | 40.0 | <u> </u> | 70.00 | |
| | | | <u> </u> | | | | | |
| | | | | | | | <u></u> | |
| = | | <u> </u> | | | | | | |
| Sampling In | formation: | | | | | | | |
| EPA SW-846 EPA SW-846 | | PCB's "Hold" PC (Lab filter " | CB's Low | detection limit of detection limit of d analyze only if the | 0.05 ppb | 6 - 1 liter amb 3 - 1 liter amb the primary samp | ber Yes | No No |
| mple ID: | <u> </u> | | • | Yes No | | Shipped: | Drop-off STL Sy | |
| | | | JIVIOD ! | Yes No No | | | Fed-Ex | UPS |

| | rsonnel: Ti | m Beaumont | | | Date: | 4/10/07 | | |
|--|--|-----------------------------|---|---|---|--|---|--|
| 1 | 36380.51170 |) | Weather: | Par Hy | Cloudy 3 | 0'5 | | |
| Well Id. C-21 | | | | | Time In: | 1030 | Time Out | |
| VVCII IG. | <u> </u> | | | | | | | |
| Well In | formation | ·········· | | | | | | |
| | | - | TOC | Other | Well Type | : Flu | shmount | Stick-Up |
| | | 17.50 | Well Locked: Yes | | No | | | |
| Depth to Bottom: (feet) | | 64.20 | Measuring Point Marked: Yes | | No | | | |
| Depth to Product: (feet) | | | <u> </u> | TO MAINTENANCE OF THE PARTY OF | | | | |
| | | 76.70 | | Well Diameter: 1" 2" Other: 4" | | | | |
| | | 30.82 92.46 | | Comment | S : | | | |
| Inree Well V | olumes: | (gal) | 72.76 | | | · | | |
| | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Puraina I | nformation | | | | | | | |
| 1 419119 | THO THE CONTRACT OF THE CONTRA | • | | | | | Conversion I | Factors |
| Purging Meth | nod: | Bailer | Peristalt | tic Grundfo | s Pump | gal/ft. | 1 | |
| | | | | | thylene | of | | |
| Sampling Me | | Bailer | Peristalt | tic Grundfor | s Pump | water | 0.04 0.16 | 0.66 1.47 |
| Average Pun | nping Rate: | (ml/min) | 250 | | | 1 gal | ion=3.785L=3785r | nL= <u>1337cu.</u> feet |
| Duration of P | | (min) | 30 | | | | | |
| Total Volume | Removed: | (gal) 🔽 | 4.0 | Did well go dry? | Yes No | \boxtimes | | |
| riba U-22 | Water Quality | Meter Used? | Ye | es No | Pump was pla | ice in the middle | of the water colum | ın <u>40 f</u> t. |
| Time | DTW | Amount | рН | Conductivity | Turbidity | DO | Temp | ORP |
| | (feet) | purged (gal) | | (mS/cm) | (NTU) | (mg/L) | ,C | (mV) |
| 1035 | 19.20 | | 6.43 | .489 | 66.0 | 8.01 | 9.89 | 42 |
| | | 1 | 6.42 | .486 | 63.6 | 7.81 | 9.95 | 46 |
| 1040 | 19.75 | | | | | | 1 = | |
| 1045 | 20,10 | <u> </u> | 6.44 | .486 | 65.6 | 7.78 | 7.52 | 46 |
| 1045 | 20.10 20.75 | | 6.94 | .486 | 57.4 | 7.64 | 9.10 | 48 |
| 1050 1055 | 20.10 20.75 21.00 | | 6.94 6.94 | .487 | 57.4 54.0 | 7.64 | 9.10 8.88 | 48 |
| 1050 1055 1045 | 20.10 20.75 21.00 21.55 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1045 1050 1055 | 20.10 20.75 21.00 | | 6.94 6.94 | .487 | 57.4 54.0 | 7.64 | 9.10 8.88 | 48 |
| 1045 1050 1055 1100 | 20.10 20.75 21.00 21.55 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1045 1050 1055 1100 | 20.10 20.75 21.00 21.55 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1045 1050 1055 1100 | 20.10 20.75 21.00 21.55 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1045 1050 1055 1100 | 20.10 20.75 21.00 21.55 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1050 1055 1100 1105 | 20.10 20.75 21.00 21.55 22.04 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| 1045 1050 1055 1100 | 20.10 20.75 21.00 21.55 22.04 | | 6.94 6.94 6.94 | .486 .487 .487 | 27.0 27.0 | 7.64 7.54 7.50 | 9.10 8.88 7.88 | 48 48 49 |
| /045 /050 /055 /100 /105 Sampling In | 20.10 20.75 21.00 21.55 22.04 | DODI- | 6.94 6.94 6.95 6.95 | .486 .487 .487 .487 | 57.4 54.0 52.6 51.4 | 7.64 7.54 7.50 7.46 | 9.10 8.88 4.88 8.88 | 48 48 49 49 |
| /045 /050 /055 /100 /105 Sampling In | 20.10 20.75 21.00 21.55 22.04 formation: | PCB's | 6.94 6.94 6.95 6.95 | .487 .487 .487 .487 | 57.4 54.0 52.6 51.4 | 7.64 7.54 7.50 7.46 | 9.10 8.83 1.83 1.83 2.84 | \(\frac{\q_{\text{8}}}{\q_{\text{9}}}\) |
| /045 /050 /055 /100 /105 Sampling In | 20.10 20.75 21.00 21.55 22.04 formation: | "Hold" PC | 6.94 6.94 6.95 6.95 Low | y detection limit of 0 | 57.4 54.0 52.6 51.4 5.05 ppb | 7.64 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | 9.10 8.83 7.53 8.28 Per Yes | \(\frac{\q_{\text{8}}}{\q_{\text{9}}}\) |
| 1050 1055 1100 1105 | 20.10 20.75 21.00 21.55 22.04 formation: | "Hold" PC | 6.94 6.94 6.95 6.95 Low | .487 .487 .487 .487 | 57.4 54.0 52.6 51.4 5.05 ppb | 7.64 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | 9.10 8.83 7.53 8.28 Per Yes | 98 98 99 99 99 |
| /045 /050 /055 /100 /105 Sampling In EPA SW-846 I | 20.10 20.75 21.00 21.55 22.04 formation: | "Hold" PC (Lab filter " | Low B's Low | detection limit of 0 detection limit of 0 analyze only if ther | 57.4 51.0 52.6 51.4 51.9 50.05 ppb 50.05 ppb 6 is detection in | 7.64 7.54 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | per Yes ole.) | 98 99 99 99 No |
| /045 /050 /055 /100 /105 Sampling In: EPA SW-846 I | 20.10 20.75 21.00 21.55 22.04 formation: Method 8082 Method 8082 | "Hold" PC (Lab filter " | Low Hold" sample an plicate? | detection limit of of detection limit of of analyze only if there | 57.4 54.0 52.6 51.4 5.05 ppb | 7.64 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | per Yes per Yes ple.) | V8 V9 |
| /045 /050 /055 /100 /105 Sampling In EPA SW-846 I | 20.10 20.75 21.00 21.55 22.04 formation: | "Hold" PC (Lab filter " | Low B's Low | detection limit of 0 detection limit of 0 analyze only if ther | 57.4 51.0 52.6 51.4 51.9 50.05 ppb 50.05 ppb 6 is detection in | 7.64 7.54 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | per Yes ole.) | 98 99 99 99 No |
| /045 /050 /055 //00 //05 Sampling In: EPA SW-846 I | 20.10 20.75 21.00 21.53 22.04 formation: Method 8082 Method 8082 | "Hold" PC (Lab filter " | Low Hold" sample an plicate? | detection limit of of detection limit of of analyze only if there | 57.4 54.0 52.6 51.4 50.05 ppb 60.05 ppb 70.05 ppb 80.05 ppb 10.05 ppb | 7.64 7.54 7.50 7.46 4 - 1 liter amb 2 - 1 liter amb | per Yes per Yes ple.) | V8 Y8 Y9 Y9 V9 |

| | | ··· | | | | | | | | |
|--|---|--------------|---------------|-----------------------|----------------|----------------|-------------------|-----------------|--|--|
| Sampling Pe | ersonnel: Ti | m Beaumont | | | Date: | 4/10/0 | 7 | | | |
| - b Number | : 36380,51170 | | | | Weather: | Partly | Cloudy | 30'S | | |
| Well Id. | C-22 | | | | Time In: | 1/20 | | : /220 | | |
| TVOII IG. | | | | | 11110 1111 | | | | | |
| Well In | formation | | | | | | | | | |
| | | • | TOC | Other | Well Type | e: Flo | ushmount | Stick-Up | | |
| Depth to Wa | iter: | (feet) | 11.80 | | Well Lock | | Yes | No | | |
| Depth to Bot | | (feet) | 50.95 | | Measuring | Point Marked: | Yes | No | | |
| Depth to Pro | duct: | (feet) | | | Well Mate | erial: PV | c ss o | ther: steel | | |
| | ater Column: | | 39.15 | | Well Dian | neter: 1 | 1" 2"0 | her: 4" | | |
| | /ater in Well: | | 25.84 | | Comment | ts: | | | | |
| Three Well V | /olumes: | (gal) | 77.52 | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Purging I | Information | _ | | | | <u> </u> | | | | |
| | | | | | 5 3 | | Conversion | | | |
| Purging Meti | | Baile | | | s Pump | gal/fi | t 1" ID 2" ID | 4" ID 6" ID | | |
| Tubing/Baile | | Teflo | | | ethylene | of | | | | |
| Sampling Me | | Baile | | ic Grundfo | s Pump | wate | | 0.66 1.47 | | |
| Average Pun | | | <u>-600</u> | | | 1 ga | llon=3.785L=3785i | mL=1337cu. feet | | |
| Duration of F | | (min) | 30 | | . — | K-21 | | | | |
| Total Volume | e Removed: | (gal) | | Did well go dry? | Yes No | M | | | | |
| ີ່າriba U-22 | े प्रांba U-22 Water Quality Meter Used? Yes No Pump was place in the middle of the water column 32 ft. | | | | | | | | | |
| | <u></u> | | | | | | | | | |
| Time | T DTW | Amount | pН | Conductivity | Turbidity | DO | Temp | ORP | | |
| | (feet) | purged (gal) | · · | (mS/cm) | (NTU) | (mg/L) | °C | (mV) | | |
| 1/25 | 11.80 | | 7.98 | ,337 | 196 | 12.22 | 8.03 | . 32 | | |
| 1130 | 1 | | 7.75 | .335 | 152 | 11.65 | 7.70 | ,3L | | |
| 1135 | | | 7.44 | .333 | /23 | 11.47 | 7.67 | .37 | | |
| 1140 | | | 7.46 | .332 | 72.4 | 11.44 | 7.42 | .30 | | |
| 1145 | | | 7.49 | .370 | 67.5 | 11.42 | 7.32 | .28 | | |
| 1150 | | | 7.50 | ,330 | 65.1 | 11.31 | 7.30 | 124 | | |
| 1155 | | | 7.50 | .330 | 57.2 | 11.24 | 7.29 | .22 | | |
| | | | | | | | 1 | | | |
| | | | | | | | | 1 | | |
| | | | | | | | | | | |
| <u></u> | | | | | | | | | | |
| | | | | | | | | | | |
| Sampling In | formation: | | | | | | | | | |
| | ······································ | | | | | | | | | |
| EPA SW-846 I | Method 8082 | PCB's | . Low | detection limit of | 0.05 npb | 2 - 1 liter am | her Ves | | | |
| EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes No EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 1 - 1 liter amber Yes No | | | | | | | | | | |
| | | | | d analyze only if the | • • | | | ا الاست | | |
| | | (200(0) | warripre att | | | pinnaiy vain | P.V.) | | | |
| ∩mple ID: | C-22-040 | 7 Di | uplicate? | Yes No | | Shipped: | Drop-off STL S | vracuse 🔀 📗 | | |
| nple Time: | 1200 | | S/MSD? | Yes No | | S.uppou. | Fed-Ex | UPS | | |
| | | | | | | | | | | |
| Comments/N | والأطنسسينيسين | | | | | Laboratory: | Severn Trent | Laboratory | | |
| 8 A A A | or no sh | een | | | | | Amherst, Nev | Vork | | |

| ic 4123 (090h). Sient CDA (ddress | Eroječt Mariagi Telepticire Nur | Hatt Halligs iberilara Codella akkulimber 1906 - St. 146 | Eab Nom | 7,7 2 25 | 1776 |
|---|------------------------------------|--|---|--|---|
| Project Name and Location (State) | ZipiCode SieComacu, TILK Ba | Lab Contact Place Contact Number | Altalysis (Att.) Altalysis (Att.) Microspacells | Rage | |
| Contagers for each sample may be combined on one | | Matrix Containers & Containers & Pris Britainers & Containers & Contai | P.C. SCAL | | ecial Instructions/ nditions of Receipt |
| C20-0407 MS/MSB 20-0407 DOP MS/MS | ##//o/o7 #50.00 \$ | | | Ck Ho | the timet of Owe opla |
| 21-0407 -21-0407 -21-0407 | | | | | |
| 12 0407 1009" FD 0407 "D0P" | 3239 . 2 | | | | Poplas I |
| | | | | | |
| Cossible Hazard identification (22) Secondarial (22) Elaminable (22) Skin imitar Urin Around Time Regulted | | | ACASSAS ASSAS A | (A fee may be assessed) San Jonger than Ismonth (| ples are retained. |
| 24 Hours: A 48 Hours . Dr Days & Else Reinguished By | 14 Days | | 15 2011 | Dale 2//2 pale | Triple 5 (|
| 1 Relinquished By Comments | Date | Times 3 35 Received By | | Parel | Inne |
| HOLD TOLD SOMPLANTISTER | OCH CANABY SIAVSWIID DE SAMBIE PL | <u>† IAME IN DETA</u> Vik Field Cook | chea in the Air | ray serrove | A A CONTRACTOR OF THE STATE OF |

Offsite Well Inspection Forms October Semi-Annual Sampling Event Niagara Mohawk, a National Grid Company M. Wallace and Son, Onc. Cobleskill, New York

| Well ID. | Sample? | Well Size | DTW | DTP | DTB | Comments |
|----------|---------|-----------|-------|-----|-------|----------|
| C-20 | yes_ | 4" | 34.02 | | 70.22 | |
| C-21 | yes_ | 4" | 21.00 | | 64.20 | |
| C-22 | yes | 4" | 17.32 | | 50.95 | |

| Sustody Record | | | Severn Tre | int Laboratories, Inc. | |
|--|--|--|--|---|---|
| (L4124 (0901)) Tient | | Project Manager | | Page 1999 | Chambridestody:Number/ |
| CV) JUS. | | Hat UL Telephone Number (Area: Code) Fax. Nijn | iber of Aller - Target | 1e/2/67 | 358109 |
| Weekel & | CTOES DAYER | Str. (1343257 3) | 146355760 | Agalysis (Attachilist it | Bage Sof Sof |
| Supplies (FET of V& | <u> </u> | Tip Recorded | | more space (sineeded): | \$\frac{\partial \text{Sign}}{\partial \text{Sign}} \text{Sign} \te |
| The Hiller accord | S.E. The Collegemy | Awar of Lynn & Co | aux Ca. L. jag ** | | Special Instructions/ |
| contract/Pujchase/Order/Quoje No.; | | Marix J | oritainiersia reservatives | | Gonditions of Receipt |
| Sample I.D. No. and Desc Containers for each sample may be goon b | ription Dinection one line) Date | Time: \$ \$ 5. 5. 5. | 100 A A A A A A A A A A A A A A A A A A | | |
| C-20+1007 | Luco logica in | | X | | descinulator outgab |
| (-}6-1007; #90F! | | <i>10</i> | | | |
| <u>(* 21 - 1007.</u> - 21 - 1007 * βαβ ^α | | 130 80 2 | | | |
| - 21 Aug Jan | | | | | 9/4 |
| C-22 TOOT " DUR | | n en y | | | |
| <u>[-10-1007] </u> | | | | | C-29 Laboricati |
| <u> Foriou7 '' 197</u> | -46- | | | | C211 CUpitopia |
| | | | | | |
| | | | | | |
| Possible Hazard/Igentification | | Sample Pisosal | | | |
| KINON Hazerd Flammable Turn Around Time Required | Skin (ff(fart) 🗸 🖾 Poison B 🔻 🔲 | and the state of t | isposal Bylėsb 🔠 Archiveli Reguvernents (Specify) | (Asfeemay be For Mogits Florider than st | assessed framples are retained month) |
| ☑ 24.Hours | pays. □ a pays. □ 21. bays. | | eat B | | |
| Reinguished By LULY ARA Relinguished By 1. Relinguished By | \mathcal{F} | 10j3/67 75 30 | * CASA | \$4474c | 10/03/07 25/50 |
| | | The state of the s | eceived:By | 180 | Date |
| 3. Reinquished By | | Date Time 3 R | acalved By | | Oate Time |
| Comments. | Complex , Challe | and without | MALL . | he wan and | 4 |
| VISTRIBUTION: WHITE Returned to C | lient With Report: CANARY - Stays With | ine Sample, PINK Held Copy | | | |

| | | | | ··· · | | | | | |
|-------------------------------|---|---|--|------------------------|------------------------|---------------------|--------------------|-----------------|--|
| Sampling Pe | rsonnel: Ti | m Beaumont | | | Date: | 10/2/07 | | | |
| o Number: | : 36380.51170 | | | | Weather: | Sunny | 2.03 | | |
| Well Id. | C-20 | | | | Time In: | 1030 | Time Out | : 1138 | |
| | | | | | | | | | |
| Well In | formation | • | T00 | O# 4 - | 184-31 To | Fl | | Cataly Lin | |
| Dareth to Ma | | /5A | TOC 34.02 | Other | Well Type Well Lock | | shmount Yes | Stick-Up No | |
| Depth to Wa | | (feet) | 70.22 | | | Point Marked: | Yes | No X | |
| Depth to Bot | | (feet) | 10.22 | | Well Mate | | | her: steel | |
| Depth to Pro- Length of Wa | | (feet) | 36.20 | | Well Dian | | | her: 4" | |
| Volume of W | | (feet) (gal) | 23.81 | | Commen | - | | | |
| Three Well V | | | 71.68 | | Common | | | | |
| Tillee vveli v | olumes. | (gar) | 11.00 | | | | | | |
| Duraina I | Information | | | | | <u> </u> | = | | |
| Fulging i | momaton | • | | | | | Conversion F | actors | |
| Purging Meth | od. | Baile | r Peristalt | ic Grundfo | s Pump | gal/ft. | 1" ID 2" ID | | |
| Tubing/Bailer | | Teflor | | | ethylene | of | | | |
| Sampling Me | | Baile | | | s Pump | water | 0.04 0.16 | 0.66 1.47 | |
| Average Pun | | | | west to main | · — | | on=3.785L=3785n | | |
| Duration of P | | (min) | 30 | | | <u> </u> | | | |
| Total Volume | | (gal) | | Did well go dry? | Yes No | \boxtimes | | | |
| | | | | s No | | | -Est | | |
| oriba U-22 | Water Quality | Meter Used? | Ye | S NO L | Pump was pi | ice in the middle (| of the water colum | n <u>52 ft.</u> | |
| Time | DTW | Amount | pH | Conductivity | Turbidity | DO | Temp | ORP | |
| | (feet) | purged (gal) | | (mS/cm) | (NTU) | (mg/L) | °C | (mV) | |
| 1050 | 37.70 | 1 3 3 7 | 7.05 | 1.02 | 66.2 | 216 | /3.85 | 111 | |
| 1055 | 38.35 | | 689 | 1.88 | 56.7 | 1.49 | /3.43 | 85 | |
| lloo | 38.75 | <u> </u> | 6:25 | 4.16 | 43.0 | 1.46 | 15.00 | 76 | |
| 1105 | 39.30 | | 6.85 | 5.05 | 46.2 | 1.36 | 14.98 | 67 | |
| 1110 | 39.78 | *************************************** | 6.95 | 6.71 | 47.1 | 1.37 | 15.02 | 73 | |
| un | 40.15 | | 6.85 | 5.40 | 47.5 | 1.38 | 15.07 | 62 | |
| 1120 | 40.82 | · | 6.85 | 5.94 | 47.2 | 1.35 | 15:05 | 58 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | * | | | | |
| | <u> </u> | | | | | | | | |
| | | | | | | | | | |
| Sampling In | formation: | | | | | • | | | |
| Company at | omagor. | | | • | | | | | |
| EPA SW-846 I | Mothod 9099 | DADI- | 1 | dotostian limit cf | 0 05 pph | R 414 | v. l | No | |
| | | PCB's | | detection limit of (| | 6 - 1 liter amb | | | |
| EPA 347-846 [| EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 3 - 1 liter amber Yes No liter "Hold" sample and analyze only if there is detection in the primary sample.) | | | | | | | | |
| | | (Lab filter ' | molo" sample an | o analyze only if thei | e is detection in | tne primary samp | ie.) | | |
| Camania ID | (+20.100T | B. | unlineda.O | v. 🗀 🖂 | <u>^</u> | : ·· | | 🔽 | |
| ^¬mple ID: | C-20-1007 | | plicate? | Yes No | Sh | | Syracuse Service | | |
| mple Time: | 1120 | MS | S/MSD? | Yes No No | | F | ed-Ex | UPS | |
| Comments/N | otes: | | | | | Laboratory: | Test Am | erica | |
| سينا كالمنا | | iheen. | | | | | Amherst, No | | |
| 736 (| 0 DOT \\ \V \\ \\ | mer. | | | IP | | | | |

| *··· | | | | | | | | |
|---|---|----------------|------------------|-----------------------|--------------------|---|---------------------------------------|--|
| Sampling Pe | ersonnel: Ti | m Beaumont | | | Date: | 10/2/07 | | |
| ا الله الله الله الله الله الله الله ال | : 36380.51170 |) | · | | Weather | Sonny | 60.5 | |
| Well Id. | C-21 | | | | Time In: | 1157 | Time Out | : १२५८ |
| | | | | | | | | |
| Well In | formation | | | | | | | |
| | | - | TOC | Other | Well Typ | e: Flu: | shmount | Stick-Up |
| Depth to Wa | ter: | (feet) | Z1.00 | | Well Loc | | Yes | No |
| Depth to Bot | | (feet) | 64.20 | | | Point Marked: | Yes | No |
| Depth to Pro | | (feet) | | | Well Mat | | | her: steel |
| | ater Column: | | 43.20 | | Well Diar | | Ot | her:4" |
| | later in Well: | (gal) | 28.51 | | Commen | ts: | | |
| Three Well \ | /olumes: | (gal) | 82-23 | | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | | | |
| Duraina | Information | | - | | | | | |
| Purging | Information | _ | | | | | Conversion | Factors |
| Purging Meti | hod: | Baile | r Peristalt | io Grundfr | s Pump | | 1" ID 2" ID | |
| Tubing/Baile | | Teflor | | | ethylene | gal/ft. of | 1 10 2 10 | |
| Sampling Me | | Baile | | | s Pump | water | 0.04 0.16 | 0.66 1.47 |
| Average Pur | | | | | ten flui | | on=3.785L=3785r | |
| Duration of F | | (min) | 30 | | 1-000 1-000 | , <u>, , , , , , , , , , , , , , , , , , </u> | J. C. 1002 5.00. | |
| Total Volume | | (gal) • | | Did well go dry? | Yes No | | | |
| | | | | | | | | nn 43 ft. |
| mba U-22 | Water Quality | Meter Usea? | Ye | s No | Pump was pi | ace in the middle | of the water colum | nn <u>43 ft.</u> |
| Time | DTW | Amount | pH | Conductivity | Turbidity | DO | Temp | ORP |
| 1 | (feet) | purged (gal) | J - | (mS/cm) | (NTU) | (mg/L) | င် | (mV) |
| 1200 | 22.80 | 1 | 7.02 | 1.34 | 37.3 | 1.95 | 11.70 | WO |
| 1205 | 24.00 | | 7,00 | (.75 | 40.1 | 1.87 | 11.26 | 86 |
| 1210 | 28:70 | | 6.59 | 1.78 | 22.9 | 2.79 | 13.10 | 60 |
| 1215 | 30.10 | | 72.00 | (47) | 21.9 | 3.17 | 15.88 | 56 |
| 1220 | 31.07 | | 7.00 | 1.78 | 19,4 | 3.3 % | 12.91 | 53 |
| 1225 | 32.24 | | 7.01 | 1.79 | 20.2 | 3,41 | 1294 | 57 |
| 1230 | 33.71 | | 7.01 | 1.82 | 19.0 | 345 | 12.98 | 50 |
| <u></u> | | | | | | | | |
| | | | <u> </u> | <u> </u> | | | | |
| ļ | | | | | | | | |
| <u></u> | <u> </u> | <u> </u> | <u> </u> | | ~ | | | |
| | | | | | | | | |
| Sampling In | formation: | | | | | | | |
| | <u>_</u> | | | | | | | _ |
| EPA SW-846 I | Method 8082 | PCB's | Low | detection limit of | 0.05 ppb | 4 - 1 liter amb | er Yes | No |
| EPA SW-846 I | Method 8082 | "Hold" PC | CB's Low | detection limit of | 0.05 ppb | 2 - 1 liter amb | | 7 1 7 |
| | | (Lab filter ' | 'Hold" sample an | d analyze only if the | re is detection in | the primary samp | le.) | |
| | | | | | | | | |
| `mple ID: | mple ID: <u>C-21-6007</u> Duplicate? Yes No FD-1007 Shipped: Drop-off Syracuse Service Center | | | | | | | |
| Jample Time: | 1230 | MS | S/MSD? | Yes No | | | | UPS 🔲 |
| Comments/N | lotes: | | | | | Laboratory: | Test Am | |
| | No OBA | nasheen | | | į | Laboratory. | | |
| | NO FIRM | I I D J E DI I | | | # | | Amherst, N | CW TOTK |

| Sampling Pe | rsonnel: Ti | m Beaumont | | Date: | 10/2/07 | | | | |
|--|--|--------------|--|--------------------|------------------------|----------------------|---------------------|----------------|--|
| 1 | 36380.51170 | | | | Weather. | | 60.2 | | |
| Well Id. | C-22 | | | | Time In: | 1250 | Time Out: | 1350 | |
| | | | : | | | | | | |
| Weil In | formation | _ | | | 1 A F - 17 TC | | | Stick-Up | |
| D-10-10-10-10-10-10-10-10-10-10-10-10-10- | 4 | | TOC | Other | Well Type Well Lock | | hmount S | No No | |
| Depth to Wa | | (feet) | 17・3 と 50.95 | | | eu. Point Marked: | Yes | No | |
| Depth to Bot Depth to Pro | | (feet) | 30.95 | | Well Mate | | | <u> </u> | |
| Length of Wa | | (feet) | 33.63 | | Well Dian | | 2" Oth | | |
| Volume of W | | (gal) | 22.20 | | Commen | | | ··· | |
| Three Well \ | | (gai) | 46.60 | | 00////// | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Purging Information | | | | | | | | | |
| | | | | r1 | | | Conversion F | | |
| Purging Meth | | Baile | | } | os Pump | gai/ft. | 1" ID 2" ID | 4" ID 6" ID | |
| Tubing/Baile | | Teflo | — | | ethylene | of | ا مدا مما | 0.00 4.47 | |
| Sampling Me | | Baile | | | os Pump | water | | 0.66 1.47 | |
| Average Pun | | | | pur to main | new Has | 1 gall | on=3.785L=3785m | L=1337cu. feet | |
| | Duration of Pumping: (min) 30 | | | | | | | | |
| Total Volume Removed: (gal) - 5.0 Did well go dry? Yes No | | | | | | | | | |
| ່ 'oriba U-22 | Water Quality | Meter Used? | Ye | s No | Pump was pla | ace in the middle | of the water column | 1 34 ft. | |
| | | | | | | | | | |
| Time | DTW | Amount | рН | Conductivity | Turbidity | DO | Temp | ORP | |
| | (feet) | purged (gal) |) | (mS/cm) | (NTU) | (mg/L) | .c | (mV) | |
| 1522 | 18.80 | <u> </u> | 7.11 | .15 | 61.9 | 7.03 | 1221 | 112 | |
| 1300 | 19.42 | <u> </u> | 7.05 | 1.62 | 48.2 | (57 | 12.49 | 83 | |
| 1305 | 20.15 | | 7.04 | 3.72 | 45.3 | 1.34 | 13.19 | 64 | |
| 1310 | 20.50 | <u> </u> | 6.59 | 4.84 | 48.5 | 1.54 | 13.42 | 45 | |
| 1315 | 20.84 | | 6.55 | 1003 | 42.6 | 673 | 1393 | 41 | |
| 1320 | 20.42 | | 6.59 | 5.00 | 46.2 | 2.07 | (3.55 | 37 | |
| 1325 | 21.00 | <u> </u> | 7,00 | 5.04 | 46.0 | 2.15 | 13.97 | 36 | |
| | <u> </u> | | | - | | | | | |
| | | <u> </u> | ļ | ļ | | _ - | | | |
| ļ | | | - | | ·· · | | | | |
| <u></u> | <u></u> | <u></u> | <u> </u> | 1 | | | | <u> l</u> | |
| | | | | | | | | -i | |
| Sampling In | formation: | | | | | | | Ì | |
| | | | | | • | | - | | |
| EPA SW-846 I | | PCB's | | detection limit of | • • | 2 - 1 liter amb | | No _ | |
| EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 1 - 1 liter amber Yes No | | | | | | | | | |
| (Lab filter "Hold" sample and analyze only if there is detection in the primary sample.) | | | | | | | | | |
| | | | | | | | | | |
| - | C-22-100. | | uplicate? | Yes No | Sh | • | Syracuse Service | 1 Pre-1 | |
| .mple Time: | 1352 | MS | S/MSD? | Yes No X | | Fe | ed-Ex U | PS [] | |
| Comments/N | Comments/Notes: Laboratory: Test America | | | | | | | | |
| تحبيب كالمستا | OAA AO | Shen. | | • | | ,. | Amherst, Ne | li li | |
| , ,, | - 101 - 100 | At 1. | | | | | | | |

Analytical Report January Sampling Event



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-1038, A07-1040

STL Project#: NY7A9595

SDG#: 1Q07CO

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

02/13/2007

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 |
| lowa | 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-NYÖ44 |
| 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | LED | RECEIVED | |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | | TIME | | TIME |
| A7103801 | NTS-BCW-0107 | WATER | 01/30/2007 | 09:00 | 02/01/2007 | 09:10 |
| A7104001 | NTS-BCW-0107 DUP | WATER | 01/30/2007 | 09:00 | 02/01/2007 | 09:10 |
| A7103802 | NTS-EW-0107 | WATER | 01/30/2007 | 09:05 | 02/01/2007 | 09:10 |
| A7104002 | NTS-EW-0107 DUP | WATER | 01/30/2007 | 09:05 | 02/01/2007 | 09:10 |

METHODS SUMMARY

Job#: <u>A07-1038, A07-1040</u>

STL Project#: NY7A9595

SDG#: 100700

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

NON-CONFORMANCE SUMMARY

Job#: <u>A07-1038, A07-1040</u>

STL Project#: NY7A9595

SDG#: 1007CO

Site Name: Niagara Mohawk O & M

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

A07-1038

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

A07-1040

Sample Cooler(s) were received at the following temperature(s); $2.0 \, ^{\circ}$ C Please filter samples prior to the extraction.

One sample bottle was received broken for sample NTS-BCW-0107 for PCB analysis by method 608. Sufficient volume remained to complete the analysis.

GC Extractable 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.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|----------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NTS-BCW-0107 | A7103801 | | - | - | CFR136 | - | - | - |
| NTS-BCW-0107 DUP | A7104001 | - | | <u>-</u> | CFR136 | <u>.</u> | - | - |
| NTS-EW-0107 | A7103802 | - | · - | <u>-</u> | CFR136 | - | <u>-</u> | - |
| NTS-EW-0107 DUP | A7104002 | - | - | - | CFR136 | - | - | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|-----------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-BCW-0107 | WATER | 01/30/2007 | 02/01/2007 | 02/05/2007 | 02/06/2007 |
| NTS-BCW-0107 DUP | WATER | 01/30/2007 | 02/01/2007 | 02/05/2007 | 02/06/2007 |
| NTS-EW-0107 | WATER | 01/30/2007 | 02/01/2007 | 02/05/2007 | 02/06/2007 |
| NTS-EW-0107 DUP | WATER | 01/30/2007 | 02/01/2007 | 02/05/2007 | 02/06/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-BCW-0107 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-BCW-0107 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0107 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0107 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6



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,
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| ct: |
|---|
| SDG No.: 100700 |
| Lab Sample ID: A7103801 |
| Lab File ID: <u>12A70066.TX0</u> |
| Date Samp/Recv: <u>01/30/2007</u> <u>02/01/2007</u> |
| Date Extracted: <u>02/05/2007</u> |
| Date Analyzed: 02/06/2007 |
| Dilution Factor:1.00 |
| Sulfur Cleanup: (Y/N) N |
| CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 0.094 U |
| 0.094 U 0.094 U |
| 0.094 U |
| 0.094 U |
| 0.094 U |
| 0.094 U |
| 0.094 U |
| yls0.094 U |
| |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M MEIHOD 608 - POLYCHIORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: STL Buffalo | | Contract: | | |
|----------------------------|---------------|---|----------|---------------|
| Lab Code: RECNY | Case No.: | SAS No.: | SDG No.: | <u>1007co</u> |
| GC Column(1): <u>ZB-35</u> | ID: 0.53 (mm) |) · · · · · · · · · · · · · · · · · · · | | |

| · | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT OUT |
|---|---|---------------|--------|----------------|--------|------------|--------|--------|--------|--------|------------|
| | ======================================= | ========= | ====== | ====== | ====== | ====== | ====== | ====== | ====== | ====== | === |
| 1 | Matrix Spike Blank | A780168101 | 98 | 86 | } | \ 1 | | | | [| 0 |
| 2 | Matrix Spike Blk Dup | A7B0168102 | 90 | 105 | | | | İ | | 1 | 0 |
| 3 | Method Blank | A7B0168103 | 96 | 77 | | | | | | | 0 |
| 4 | NTS-BCW-0107 | A7103801 | 70 | 89 | | | | | | | 0 |
| 5 | NTS-EW-0107 | A7103802 | 74 | 94 | | | | | | | 0 |
| j | | | | | | | | | | | |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(30-135) (22-132)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab S | amp ID | : <u>A7B0168103</u> |
|--|------------------------|---------------------------------------|--------------------|----------------------|----------|----------------------|
| Lab Code: <u>RECNY</u> Case No | .: | SAS No.: | | S | DG No. | : 100700 |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | <u>lank</u> | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | | |
| Aroclor 1260Aroclor 1016 | 0.500 0.500 | 0.517 0.473 | 104 | 40 - 136 38 - 130 | 6 | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 | | C LIMITS REC. |
| Aroclor 1260 Aroclor 1016 | 0.500 0.500 | 0.510 0.469 | 102 94 | 2 | 50 50 | 40 - 136 38 - 130 |
| # Column to be used to flag * Values outside of QC limit RPD:0 out of2 outs Spike recovery:0 out of | side limits | | n asteris | ζ | | |
| Comments: | | · · · · · · · · · · · · · · · · · · · | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: <u>ST</u> | <u>L Buffalo</u> | | Method Blank | | |
|---------------------|---|------------------|--|--------------------|------|
| Lab Code: <u>RE</u> | CCNY Case No.: | SAS No. | : S | DG No.: 1007CO | |
| Cab Sample I | D: <u>A7B0168103</u> | Lab : | File ID: <u>12A7</u> | 0056.TX0 | |
| Matrix: (soi | l/water) <u>WATER</u> | Extr | action: | <u>SEPF</u> | |
| Sulfur Clean | up: (Y/N): <u>Y</u> | Date | Extracted: | 02/05/2007 | ± |
| Date Analyze | d (1): <u>02/06/2007</u> | Date | Analyzed (2) | : | |
| Time Analyze | d (1): <u>12:59</u> | Time | Analyzed (2) | : | |
| instrument I | D (1): <u>HP5890-12</u> | Inst | rument ID (2) | • | |
| C Column (1 |): <u>ZB-35</u> Dia: <u>0</u> . | 53 (mm) GC Co | olumn (2): | Dia: _ | (mm) |
| THI | S METHOD BLANK APPLIE | S TO THE FOLI | LOWING SAMPLE | S, MS AND MSD: | |
| | į | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 | |
| 1 M 2 M 3 N | atrix Spike Blank atrix Spike Blk Dup TS-BCW-0107 | | 02/06/2007 02/06/2007 02/06/2007 | | |
| Comments: | | | | <u> </u> | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M MEIHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contrad | Method Blank |
|--|--|
| Colleta | |
| Lab Code: <u>RECNY</u> Case No.: SAS No. | : SDG No.: <u>1007CO</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B0168103</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: <u>12A70056.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: 02/05/2007 |
| Concentrated Extract Volume: 1000 (uL) | Date Analyzed: 02/06/2007 |
| Injection Volume: 1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) \underline{Y} |
| · | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.10 U |
| 11104-28-2Aroclor 1221 | 0.10 U |
| 11141-16-5Aroclor 1232 | 0.10 U |
| 53469-21-9Aroclor 1242 | 0.10 U |
| 12672-29-6Aroclor 1248 | 0.10 U |
| 11097-69-1Aroclor 1254 | 0.10 U |
| 11096-82-5Aroclor 1260 | 0.10 U |
| Total Polychlorinated Biphen | ylsU 0.10 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | ED. | RECEIVE | ΞD |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7103801 | NTS-BCW-0107 | WATER | 01/30/2007 | 09:00 | 02/01/2007 | 09:10 |
| A7104001 | NTS-BCW-0107 DUP | WATER | 01/30/2007 | 09:00 | 02/01/2007 | 09:10 |
| A7103802 | NTS-EW-0107 | WATER | 01/30/2007 | 09:05 | 02/01/2007 | 09:10 |
| A7104002 | NTS-EW-0107 DUP | WATER | 01/30/2007 | 09:05 | 02/01/2007 | 09:10 |

METHODS SUMMARY

Job#: A07-1038, A07-1040

STL Project#: NY7A9595

SDG#: 1007CO

Site Name: Niagara Mohawk O & M

ANALYTICAL METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

NON-CONFORMANCE SUMMARY

Job#: <u>A07-1038, A07-1040</u>

STL Project#: NY7A9595

SDG#: 100700

Site Name: Niagara Mohawk O & M

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

A07-1038

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

A07-1040

Sample Cooler(s) were received at the following temperature(s); $2.0\ ^{\circ}\text{C}$ Please filter samples prior to the extraction.

One sample bottle was received broken for sample NTS-BCW-0107 for PCB analysis by method 608. Sufficient volume remained to complete the analysis.

GC Extractable 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.

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | |
|--|-----------------------|--------------------------------|---|--|---|
| Client P DAI | Project | Manager 111 | * Millias | Date //30 | Chain of Custody Number 138708 |
| Address / Occasion / 143 450 / | Telepho | one Number (Area Code | a)/FaX Number | Lab Number | 138708 |
| City (State / Zip Code | VC Site Co | 5 434 3 | 256 315463 Lab Contact | 3 5700) - Analysis (Attach li | Page of |
| City Shawft State Zip Code 1320 | | brownut | Lab ourract | more space is need | ded) |
| Project Name and Location (State) MUCHULLIAND SM Enc Cabbille | Carrier | Waybill Number | 1 | - THE S | Special Instructions/ |
| Contract/Purchase Order/Quote No. | <i>[[[]</i> | 1 100 | Containers & | 600 | Conditions of Receipt |
| | | Matrix | Preservatives | 1 1 1 1 1 1 1 1 | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | ate Time | Air Aqueous Sed. Soil | Unpres. HZSO4 HNO3 HCI NaOH NaOH | 55 | |
| NTS-BCW-0107 1/30 | 107 09W | X | 2 | X | detected limit of 0.05 pp |
| WITS- BCW-0107(DUP) | 0900 | X | 2 | | |
| NR-8W-0107 | 0905 | X | 2 | X | |
| NTT-9U-0107 (NVP) - | - 0905 | V | 2 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | ┤·┞·┼·┤·┤ · ┠·┠ | |
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| | | | | ╫ | |
| | | | | | |
| | | | | | |
| Rossible Hazard Identification | | Sample Disposal | | | |
| Non-Hazard | on B 🔲 Unknown | 1 ' ' | Disposal By Lab | (A : Archive For Months lon | fee may be assessed if samples are retained iger than 1 month) |
| Turn Around Time Required. | 1 | | QC Requirements (Specif | | |
| 24 Hours 48 Hours 7 Days 14 Days 1. Relinquished By | 21 Days Date | erSD | 1. Réceived By | M1 15 | , Date / , Time |
| Holling A | | 07 1945 | Huke C | AS | 01/31/07 09:45 |
| Relinquished By | Date | Time | 2 Received By | | Date Time |
| 3. Relinquished By | Date | Time | 3. Recaived By | | Date Time |
| Comments | | 1 | | | |
| | ralize in | DIE PINK - Freid Copy | her is dite | etu i nyni | 1 Suple. 2.0°C |
| DISTRIBUTION: WHITE - Returned to Client with Report; CANARY | - Stays with the Samp | ple: PINK - Aleld Copy | | | / |

ite: 02/01/2007 me: 12:58:28 STL Buffalo Sample Inventory

Page: 1 Rept: ANO383

| Job No: A07-1: Client: Camp Project: NY7A9 SDG: Case: SMO No: No. Samps: 2 | Dresser and Mckee | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: YES tody: YES Tags: NO | Cooler Temperature: | 2.0°C | | |
|--|--------------------------------------|------------------|----------------------|---|------------------------------------|---------------------|-------|--------------|-------|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres | s log |
| 01/30/2007 09:00 | 02/01/2007 09:10 02/01/2007 09:10 | NTS-BCW-0107 | A7103801 A7103802 | Good | 2-11GA 2-11GA | PCB | RECNY | 0100 0100 | |

| . 1 | 2 | | |
|-------------------|-------------|----------------------------------|---------|
| ple Custodian: NV | L1 (1200) | Analytical Services Coordinator: | /20 |

te: 02/01/2007 me: 13:12:01

STL Buffalo Sample Inventory

Page:

Rept: ANO383

| Job No: A07-1040 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 2 | | Radiation Check: YES Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO | | Cooler Temperature: 2.0°C | | | | | |
|---|--------------------------------------|---|----------------------|---------------------------|------------------|----------------------------------|----------------|--------------|-----------|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Pärameters | Lab | Pres Code | log PH |
| | 02/01/2007 09:10 02/01/2007 09:10 | | A7104001 A7104002 | Good Good | 1-11GA 2-11GA | PCB 608 (HOLD) PCB 608 (HOLD) | RECNY RECNY | 0100 0100 | |

| | mple Custodian: | mn | 2, (1200) | Analytical Services Coordinator: | | /20 |
|--|-----------------|----|------------|----------------------------------|--|-----|
|--|-----------------|----|------------|----------------------------------|--|-----|

Analytical Report February Sampling Event



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-1901</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jasón R. Kacalski Project Manager

03/16/2007

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | SAMPLED | | EID |
|---------------|--------------------|--------|------------|---------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7190101 | NTS-BCW-0207 | WATER | 02/27/2007 | 13:00 | 03/01/2007 | 09:15 |
| A7190102 | NIS-BCW-0207 (DUP) | WATER | 02/27/2007 | 13:00 | 03/01/2007 | 09:15 |
| A7190103 | NTS-EW-0207 | WATER | 02/27/2007 | 13:10 | 03/01/2007 | 09:15 |
| A7190104 | NTS-EW-0207 (DUP) | WATER | 02/27/2007 | 13:10 | 03/01/2007 | 09:15 |

METHODS SUMMARY

Job#: A07-1901

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL PARAMETER METHOD CFR136 608PCB

METHOD 608 - POLYCHLORINATED BIPHENYLS

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.

NON-CONFORMANCE SUMMARY

Job#: A07-1901

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-1901

Sample Cooler(s) were received at the following temperature(s); 202.0 °C All Dup samples are to be extracted and held. Please filter prior to extraction.

GC Extractable 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.

Date: 03/16/2007

Requested Detection Limits < STL's PQL

r,a tõr i

Page: 1 Rept: AN1520

Time: 10:31:12

The requested project specific reporting limits listed below were learned quantitation limits. It must be noted that results report

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.

| <u>Method</u> | Parameter | <u>Unit</u> | Client DL | STL POL |
|---------------|---------------------------------|-------------|--------------|------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.12 |

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|--------------|-------------------------|-----------|-------------|--------|--------------|------------------|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | |
| NTS-BCW-0207 | A7190101 | - - | - | _ | CFR136 | - | • | - | |
| NTS-BCW-0207(DUP) | A7190102 | | - | - | CFR136 | | • | | |
| NTS-EW-0207 | A7190103 | <u>.</u> | - | - | CFR136 | | | <u> </u> | |
| NTS-EW-0207(DUP) | A7190104 | | | <u> </u> | CFR136 | | - | | |

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-BCW-0207 | WATER | 02/27/2007 | 03/01/2007 | 03/02/2007 | 03/05/2007 |
| NTS-BCW-0207(DUP) | WATER | 02/27/2007 | 03/01/2007 | 03/02/2007 | 03/05/2007 |
| NTS-EW-0207 | WATER | 02/27/2007 | 03/01/2007 | 03/02/2007 | 03/05/2007 |
| NTS-EW-0207(DUP) | WATER | 02/27/2007 | 03/01/2007 | 03/02/2007 | 03/05/2007 |

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-BCW-0207 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-BCW-0207(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0207 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0207(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |



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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contrad | NTS-BCW-020 | 7 |
|---|--|------------|
| the Name: bill building Concrat | CC: | |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: | |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7190101 | |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>12A74133.TX</u> | <u>:0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 02/27/2007 | 03/01/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>03/02/2007</u> | |
| Concentrated Extract Volume: 1000 (uL) | Date Analyzed: 03/05/2007 | |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 | |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N | |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q | |
| 12674-11-2Aroclor 1016 | 0.061 U | |
| 11104-28-2Aroclor 1221 | 0.061 U | |
| 11141-16-5Aroclor 1232 | 0.061 U | |
| 53469-21-9Aroclor 1242 | 0.061 U | |
| 12672-29-6Aroclor | 0.061 U | |
| 11097-69-1Aroclor 1254 | 0.061 ען | |
| 11096-82-5Aroclor 1260 | 0.061 U | |
| Total Polychlorinated Bipher | nyls 0.061 U | |
| Total Polychlorinated Bipher | nyls 0.061 U | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contra | ect: | l l | VIS-EW-02 | 207 |
|--|---|--|------------------|-------------|
| Lab Code: <u>RECNY</u> Case No.: SAS No. | .: SDG No.: | | • | |
| Matrix: (soil/water) <u>WATER</u> | Lab Samp | le ID: 1 | A7190103 | |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File | ID:] | 12A74134 | .TX0 |
| % Moisture: decanted: (Y/N) N | Date Sam | p/Recv: (| 02/27/200 | 03/01/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Ext | racted: <u>(</u> | 03/02/200 | <u>07</u> |
| Concentrated Extract Volume:1000(uL) | Date Ana | lyzed: 🤇 | 03/05/200 | <u>07</u> |
| Injection Volume:1.00(uL) | Dilution | Factor: | 1.00 | |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur C | leanup: | (Y/N) <u>N</u> | |
| CAS NO. COMPOUND | CONCENTRATION UNITS (ug/L or ug/Kg) <u>UG</u> | | Q | |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | | 0.061 0.061 0.061 0.061 0.061 0.061 | 0 0 0 0 | |
| Total Polychlorinated Biphe | TIYIS | 0.061 | U | |

CAMP DRESSER AND MCKEE MIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: STL Buffalo | | Contract | : | | |
|----------------------------|---------------|----------|---|----------|--|
| Lab Code: RECNY | Case No.: | SAS No. | : | SDG No.: | |
| GC Column(1): <u>ZB-35</u> | ID: <u>0.</u> | 00 (mm) | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT |
|---|----------------------|---------------|--------|----------------|--------|--------|---------|------------|--------|--------|-----|
| | | ========== | ====== | 555555 | ====== | 200000 | ####### | ====== | 222222 | ====== | === |
| 1 | Matrix Spike Blank | A7B0292601 | 67 | 95 | | | | | | 1 | 0 |
| | Matrix Spike Blk Dup | A780292602 | 68 | 102 | | | | | | | 0 |
| 3 | Method Blank | A7B0292603 | 120 | 96 | | | | 1 | | | 0 |
| 4 | NTS-BCW-0207(DUP) | A7190102 | 68 | 99 | , | ļ | | | | | 0 |
| 5 | NTS-EW-0207(DUP) | A7190104 | 64 | 92 | | | | | | | 0 |
| 2 | N (S-EW-UZU/(DUP) | A7 190104 | D4 | 72 | | | | Ĺ. <u></u> | | [· | Ĺ |

QC LIMITS

(30-135) (22-132) (DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-Xylene

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: STL Buffalo | - | Contract: | | Lab Samp ID: <u>A780292603</u> | | | |
|--|-------------------------|-------------------------------|--------------------|--------------------------------|----------|----------------------|--|
| Lab Code: <u>RECNY</u> Case N | 0.: | SAS No.: | | SI | og No. | : | |
| Matrix Spike - Client Samp | le No.: <u>Method B</u> | lank | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | |
| Aroclor 1260Aroclor 1016 | 0.500 0.500 | 0.463 0.434 | 93 87 | 40 - 136 38 - 130 | 5 | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | % RPD # | RPD | C LIMITS REC. | |
| Aroclor 1260 Aroclor 1016 | 0.500 0.500 | 0.499 0.461 | 100 92 | 7 | 50 50 | 40 - 136 38 - 130 | |
| # Column to be used to fla * Values outside of QC lim | - | PD values with an | n asteris | k | | | |
| RPD:0 out of2 out Spike recovery:0 out Comments: | | limits | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: | STL Buffalo | Contract: | <u> </u> | Method Blank | |
|------------------|---|-----------------------|-----------------|----------------|------|
| Lab Code: | RECNY Case No.: | SAS 1 | vo.: | SDG No.: | _ |
| Lab Sample | : ID: <u>A7B0292603</u> | La | ab File ID: 124 | 74130.TX0 | |
| Matrix: (s | soil/water) <u>WATER</u> | Ex | traction: | SEPF | |
| Sulfur Cle | eanup: (Y/N): N | Da | ate Extracted: | 03/02/2007 | |
| Date Analy | rzed (1): <u>03/05/2007</u> | Dā | ate Analyzed (2 | :): | |
| Time Analy | zed (1): <u>18:13</u> | Ti | ime Analyzed (2 | :): | |
| Instrument | ID (1): <u>HP5890-12</u> | Ir | nstrument ID (2 | :): | _ |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> . | <u>.53</u> (mm) GC | Column (2): _ | Dia: | (mm) |
| I | THIS METHOD BLANK APPLIE | es to the i | FOLLOWING SAMPI | ES, MS AND MSD | • |
| | CLIENT SAMPLE NO. | LAB SAMPLE II | · · | ANALYZED 2 | |
| 1 2 3 4 | Matrix Spike Blank Matrix Spike Blk Dup NTS-BCW-0207 NTS-EW-0207 | A7B029260 A7190101 | | | |
| Comments: | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Inh Name Cur Diffele | Method Blank |
|---|--|
| Lab Name: <u>STL Buffalo</u> Contrac | CC: |
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B0292603</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: <u>12A74130.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 03/02/2007 |
| Concentrated Extract Volume:1000(uL) | Date Analyzed: 03/05/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Clearup: (Y/N) N |
| CAS NO. COMPOUND | CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.065 U |
| 11104-28-2Aroclor 1221 | |
| 11141-16-5Aroclor 1232 | 0.065 U |
| 53469-21-9Aroclor 1242 | 0.065 U |
| 12672-29-6Aroclor 1248 | 0.065 U |
| 11097-69-1Aroclor 1254 | 0,065 U |
| 11096-82-5Aroclor 1260 | 0.065 U |
| Total Polychlorinated Bipher | yls0.065 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIV | Œ) |
|---------------|--------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | | TIME | | TIME |
| A7190101 | NTS-BCW-0207 | | | | 03/01/2007 | |
| A7190102 | NTS-BCW-0207 (DUP) | | | | 03/01/2007 | |
| A7190103 | NTS-EW-0207 | WATER | 02/27/2007 | 13:10 | 03/01/2007 | 09:15 |
| A7190104 | NTS-EW-0207 (DUP) | WATER | 02/27/2007 | 13:10 | 03/01/2007 | 09:15 |

METHODS SUMMARY

Job#: A07-1901

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER ANALYTICAL METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

NON-CONFORMANCE SUMMARY

Job#: <u>A07-1901</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-1901

Sample Cooler(s) were received at the following temperature(s); 202.0 °C All Dup samples are to be extracted and held. Please filter prior to extraction.

GC Extractable 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.

Chain Of Custody Documentation

Chain of Custody Record



| Address Cernell Metrs Drive Stelephone Number (Area Code) Fax Number Lab Contact Lab Contac | STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------|-------------|---------|-----------|------|----------|---------|--|-----------------|---------------------------------------|-------------|-----------|----------|----------------------|----------------------|--|----------------|--------------|-----------|---------------------|-------------|----------|
| Temporal Mutric Orive Taliphone Namber (And Cook) Fax Anabor Taliphone (Anabor Taliphone Namber Taliphone (Anabor Taliphone Taliphone (Anabor Taliphone Namber Taliphone (Anabor Taliphone Namber Taliphone (Anabor Taliphone Taliphone (Anabor Taliphone Namber Taliphone Namber Taliphone (Anabor Taliphone Namber Taliphone Namber Taliphone (Anabor Taliphone Namber | Client C AA | | Project Ma | | 12 | 7 | IJ | //- | Λ | | | | | | Date | رددا | 67 | | Chain c | 1 2 Q | <i>Number</i> 7 ∩ 7 | • | |
| SINGLE SIDE STOCKS STATE STOC | | | Telephone | Numbo | (Area | Code | VEar I | //AL | . J . | | | | | | | | 0/ | _ | | <u> </u> | 101 | | |
| Project Name and Location (State) Mischild Laboration State) Mischild Connection (State) Matrix Connection State) Matrix Connection State) Connection State) Matrix Connection State) Connection State Connection State) Connection State) Connection State) Connection State) Connection State) Connection State) Connection State Connec | 1 General Motors Drive | 2 | 3/52 | 134 | 32 | 56 | , , | 3/1 | 14 | 63 | 578 | 00 | | | <u> </u> | | | | Page . | | of | | <u>.</u> |
| Project Williams and Location (Salation) Mall LLO CAM) Sep Enc. London Williams Containers & Containers & Conditions of Receipt | City State Zip Code | 06 | | | | a. | Lab C | ontac | t | | | | _ | An mo | alysis (A e space | ttach lis is need | st if led) | | | | | | |
| Sample LD. No. and Description Oate Time | Project Name and Location (State) | -00 | | | | 1 | | | | | - | ┩ ̄ | 7 | | _ | | | 1 [| | | | | |
| Contract/Purchase Order/Quole No. Matrix Sample 1.D. No. and Description Containers of each sample may be continued on one line) Date Time \$\frac{1}{2} \frac{1}{2} \frac | Maladay and Son Don Coble | 1000 AY | | | | 11 | | | | | | 00 | 14 | | | | ! [| | | Snaaia | Inotruoti | one/ | |
| Sample LD. No. and Description Containers for each sample may be combined on one limit Date Time | Contract/Purchase Order/Quote No. | ALLEN TE | | -/- | V | 0 | | Co | otain | ers & | | ーシ | I - I | | - } } | |) | | | | | | |
| Containers for each sample may be combined on one king Date Time | | | | Má | etrix | | | | | | | ' | 8 | 11 | | | | 1 1 | | | | • | |
| NTS - BCW - 02.07 | Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date 1 | ime ই | Aqueous | Soil Sed | | Unpres. | HNO3 | Ę | NaOH ZnAc/ | Na OF | 12 | Risi | | | | | | | | | | |
| NTS - EW - O207 | NTS-BCW-0207 21 | 13/07 130 | 20_ | χ | | | _ | | | | | X | | | | | | | de | techu | limity | 0.05 | - dag |
| Possible Hazard Identification Possible Hazard Identification Non-Hazard Flammable Skin Imitant Poison B Unknown Return To Client Disposal By Lab Archive For Months Immortal Immorphy Immo | NTS-BCW-0207(DUP) | 1 13 | 00 | X | | | 1 | | | | | | X | | | | | | | | | | |
| Possible Hazard Identification Non-Hazard Sample Disposal Sample Disposal Afee may be assessed if samples are retained Non-Hazard Flammable Skin Imitant Poison 8 Unknown Return To Client Disposal 8 Lab Archive For Months Indiana Non-Hazard Afee may be assessed if samples are retained Non-Hazard Flammable Skin Imitant Poison 8 Unknown Return To Client Disposal 8 Lab Archive For Months Indiana Non-Hazard Non | WTS-EW-0207 | 13 | 10 | X | | | 2 | | | | | X | | | | | | | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | NIS-EW-0207(DUP) - | 13 | 10 | X | | | 1 | | | | | | X | | | | | | | | <u> </u> | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | _ | | | | | | 1_ | | | | | | | | | | | | | _ | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | | | | | | | | | | | | | | | | | | | <u></u> | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | 1 | _ | T | | ┪ | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | +- | | | | - | | 1 | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | † † | † | †-1 | _ | + | \dagger | | \top | +- | | + | | _ _ | - | 1 | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | +-+ | + | + | - | ┪ | ╅┈ | + | ╅ | +- | \vdash | \dashv | 1-1 | - | | + | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | ++ | ┪ | + | _ | + | +- | ╁┼┼ | + | | \vdash | + | - | - | | ╫ | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | | | | ╁ | + | ╀╢ | + | + | + | $\vdash \vdash$ | | + | \vdash | - | - | - - | | + | | | | | |
| Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For Months longer than 1 month | Besoible Harrard Identification | | | Samula | Dicoo | | | | 1 | $\perp \perp$ | | | | | لبلل | | <u> </u> | 1 1 | | | | | |
| 24 Hours | | Poison B 🔲 U | | • | • | | | | | | | Arch | nive Fo | | Mon | | | | | amples ar | e retained | | |
| 1. Felinguished By Date Date Time 2. Received By Date Time 2. Received By Date Time 3. Received By | • *** | | <u> </u> | | <u>'7</u> | | 1 | C Re | quirer | ments (| Speci | (V) | 0 | | | | | | | | | | |
| 22867 1530 2. Relinquished By 2. Relinquished By Date Date Date Time 3. Received By Date Date Date Date Date Date Date Time Date | | 21 Days | | | | | | | | | | 4 1 | <u> </u> | | | | | | | | | | |
| 2. Relinquished By Date 1/25/07 1830 2. Received By 3. Received By Date Time 3. Received By Date Time 3. Received By | 1. Relinguistiful By | | 2/28/0 | 7 | | 30 | | . Hec | aived | By 1 | | l Georgi | T la | | | | | | Date | 28/17 | 15 | 30 | 2 |
| 3. Relinquished By Date Time 3. Received By Date Time | 2. Relinquished By | | Date | / | | | 7 | Rec | eived | BY | | | | | | | | <u>-2.~~</u> _ | Dale | 105 | _ | / < | \$ |
| HOLD "DVP" Samples analyze only y there is detection in original Sample. 2=50°C | | | | | | | Ву | | _ | | | | | | | Date | | | <u></u> | 4 | | | |
| HOLD "DVP" Samples analyze only of there of detection in augural Sample. 20200 | | | L | | | | <u> </u> | | | ···· | | | | | | | | | | | | | - |
| | HOLD "DVP" Samples | analyz | in | y | 4 | 1/2 | lu | <u></u> | 1 C | des | ke | hi | <u>ı_</u> | w | a | ijir | i) | <u>S</u> | akp | 6. | 2e. | <u> 20</u> | .°C_ |

Date: 03/01/2007 Time: 12:00:24

STL Buffalo Sample Inventory

Page:

Rept: AN0383

| Job No: A07-1901 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4 | | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: YES tody: YES Tags: NO | Cooler Temperature: 202.0°C | | | |
|---|--------------------------------------|----------------------------------|--|---|--------------------------------------|---|----------------------------------|------------------------------|-----------|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres Code | log PH |
| 02/27/2007 13:00 02/27/2007 13:00 02/27/2007 13:10 02/27/2007 13:10 | 03/01/2007 09:15 03/01/2007 09:15 | NTS-BCW-0207(DUP) NTS-EW-0207 | A7190101 A7190102 A7190103 A7190104 | Good Good Good | 2-1LGA 1-1LGA 2-1LGA 1-1LGA | PCBS PCBS (EXTRACT/HOLD) PCBS PCBS (EXTRACT/HOLD) | RECNY RECNY RECNY RECNY | 0100 0100 0100 0100 | |

| ample Custodian: | De | Ž, | 1 /20 0 | · < |
|------------------|-------------|----|---------|-----|
| | | | , , | -/ |
| | | | | - |

Analytical Services Coordinator: _____



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-1903

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

SIL Buffalo

Jason R. Kacalski Project Manager

03/16/2007

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED) | RECEIV | ŒD |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7190301 | INFLUENT-0207 | WATER | 02/27/2007 | 12:50 | 03/01/2007 | 09:15 |

METHODS SUMMARY

Job#: A07-1903

STL Project#: NY7A9595 Site Name: Niagara Mohawk O & M

ANALYTICAL METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

NON-CONFORMANCE SUMMARY

Job#: A07-1903

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-1903

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C All samples were received in good condition.

GC Extractable 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.

Date: 03/16/2007

Requested Detection Limits < STL's PQL

Page:

Time: 10:19:42

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 | <u>Parameter</u> | <u>Unit</u> | Client <u>DL</u> | STL <u>PO</u> L |
|--------|---------------------------------|-------------|---------------------|--------------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.12 |

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| INFLUENT-0207 | A7190301 | | - | <u>-</u> | CFR136 | - | - | - |

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| INFLUENT-0207 | WATER | 02/27/2007 | 03/01/2007 | 03/02/2007 | 03/05/2007 |

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE | MATRIX | ANALYTICAL | EXTRACTION | AUXILIARY | DIL/CONC |
|----------------|--------|------------|------------|-------------|-------------|
| IDENTIFICATION | | PROTOCOL | METHOD | CLEAN UP | FACTOR |
| INFLUENT-0207 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |



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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYIS ANALYSIS DATA SHEET

Client No.

| | INFLUENT-0207 |
|---|--|
| Lab Name: <u>STL Buffalo</u> Contra | ct: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7190301</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) ML | Lab File ID: <u>12A74135.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 02/27/2007 03/01/200 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 03/02/2007 |
| Concentrated Extract Volume:1000(uL) | Date Analyzed: 03/05/2007 |
| Injection Volume: 1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.061 U |
| 11104-28-2Aroclor 1221 | 0.061 U |
| 11141-16-5Aroclor 1232 | 0.061 U |
| 53469-21-9Aroclor 1242 | 0.061 U |
| 12672-29-6Aroclor 1248 | 0.044 J |
| 11097-69-1Aroclor 1254 | 0.061 U |
| 11096-82-5Aroclor 1260 | 0.061 U |
| Total Polychlorinated Bipher | nyls0.060 J |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: __ SAS No.: _____ Lab Code: RECNY Case No.: _ SDG No.: _

GC Column(1): ZB-35____ ID: 0.53 (mm)

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | ====== | | | TOT OUT |
|---|---|---------------|-----------------------|------------------------|------------|------|--|-------------|
| 3 | INFLUENT-0207 Matrix Spike Blank Matrix Spike Blk Dup Method Blank | | 82 67 68 120 | 100 95 102 96 | | | | 0 0 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(30-135) (22-132)

- # Column to be used to flag recovery values* Values outside of contract required QC limits
- D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab S | ampo ID | : <u>A7B0292603</u> |
|---|------------------------|-------------------------------|--------------------|----------------------|----------|----------------------|
| Lab Code: <u>RECNY</u> Case No | ».: | SAS No.: | | SI | og No. | : |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | lank | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | | |
| Aroclor 1260Aroclor 1016 | 0.500 0.500 | 0.463 0.434 | 93 87 | 40 - 136 38 - 136 | 6 | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 | . ~ | C LIMITS REC. |
| Aroclor 1260 Aroclor 1016 | 0.500 0.500 | 0.499 0.461 | 100 92 | 7 | 50 50 | 40 - 136 38 - 130 |
| # Column to be used to flag * Values outside of QC limi | - | PD values with an | n asteris | k | | |
| RPD: 0 out of 2 out Spike recovery: 0 out o | | limits | ٠ | | | |
| Comments: | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: | STL Buffalo | Contract: _ | | Method Blank | |
|-------------|-----------------------------------|------------------------|----------------------|--------------------|------|
| Lab Code: | RECNY Case No.: | _ SAS No. | : SI | OG No.: | |
| Lab Sample | e ID: <u>A7B0292603</u> | Lab I | File ID: <u>12A7</u> | 4130.TX0 | |
| Matrix: (s | soil/water) <u>WATER</u> | Extra | action: | <u>SEPF</u> | |
| Sulfur Cle | eanup: (Y/N): <u>N</u> | Date | Extracted: | 03/02/2007 | |
| Date Analy | zed (1): <u>03/05/2007</u> | Date | Analyzed (2) | | |
| Time Analy | zed (1): <u>18:13</u> | Time | Analyzed (2) | | |
| Instrument | ID (1): <u>HP5890-12</u> | Insti | rument ID (2) | <u> </u> | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> . | . <u>53</u> (mm) GC Co | olumn (2): | Dia: | (mm) |
| T | THIS METHOD BLANK APPLIE | s to the foli | LOWING SAMPLES | S, MS AND MSD: | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 | |
| 1 2 3 | | | 03/05/2007 | | |
| Comments: | | | | | · |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contrad | Method Blank |
|--|--|
| THE NAME. DIT BUTTATO | ··· |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B0292603</u> |
| Sample wt/vol:1000.00 (g/mL) ML | Lab File ID: <u>12A74130.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 03/02/2007 |
| Concentrated Extract Volume:1000(uL) | Date Analyzed: 03/05/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.065 U 0.065 U 0.065 U 0.065 U 0.065 U 0.065 U |
| _ · | · —— · · - |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

 LAB SAMPLE ID
 CLIENT SAMPLE ID
 MATRIX
 DATE
 TIME
 DATE
 TIME

 A7190301
 INFLUENT-0207
 WATER
 02/27/2007
 12:50
 03/01/2007
 09:15

METHODS SUMMARY

Job#: A07-1903

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

NON-CONFORMANCE SUMMARY

Job#: A07-1903

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-1903

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C All samples were received in good condition.

GC Extractable 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.

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | r= · | | | | | | | | | | | | | | - | | | | , | | 1 - | | |
|--|--------------|-----------|----------------|---------|------------|----------------|--------------------|-------|--------|---------|---------------|----------|----------------|--------------------|----------|--------------|------------------|-----------------|----------------|--------------|--------------------|----------|-----------------------------|---------------------------------------|
| Client | | Projec | | | M | HIT | L | lell | la. | ſ | | | | | | | Date | 2/ | 17/ | lo - | 7 | C | hain of Custody Nul 2984 | 57 |
| Address / Company of Markets O. | | Telepi | hone I | Numb | er (Are | эа Сос | ie)/Fa | x Nur | mber | | | . ว | | 7.9.1 | · | | Lab N | umbe | r | | | 1 | T | 1 |
| Ochual Motors Dri | <u></u> | | | | <u> 3</u> | 25 | | | | 1 | 76 | <i>1</i> | 7 | 700 | | | | | | | | F | age | of 1 |
| City State Zip | Code 3206 | Site C | iontac M | \sim | z/14 | uT | Lai | -Con | tact | | | | \perp | - | | Anai more | ysis (/ space | Attac ∋ is n | n list eede | rf d) | | τ_ | | |
| Project Name and Location (State) Y. Wallace on Sn Enc. Cobb | Kell AY | Carrie | | | | בארט | , | | | | | | \prod_{\sim} | | | | | | | | | | 0 | |
| Contract/Purchase Order/Quote No. | | <u> </u> | Τ., | | | -6-6 | ╙ | | Cont | aine | rs & | | $\dashv \beta$ | 3 | | ļ | | | | | | | Conditions | structions/ of Receipt |
| | | | | N. | latrix | | | | | ervat | | | _ ` | | | | | | | | | 1 | 1 | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Air | Aqueous | Sed | Sof | Unpres | H2SO4 | HNO3 | ĘĊ | NaOH Zaaci | NaOH | 270 | 3 | | | | | | | | | | |
| Influent- 0207 | 2/27/07 | 1250 | L | Х | | | 2 | | | | | | X | | | | | | | | | | detectu | int of 0.05 |
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| | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Possible Hazard Identification Non-Hazard Flammable Skin Irritant | ☐ Poison B | ☐ Unknow | | Sample | | osal o Clie | | DXO: |)inna | aal (1) | . lab | | | thive f | | 1 | _ Mon | *** | (A fee | | | | sed if samples are re | etained |
| Turn Around Time Required | LI FOISOII B | LI CHAIDA | | | | U CHE | | | | | | (Spec | | anve r | <u> </u> | | _ NION | igi IS | luige | i Iriaii | 7 1110 | 1417 | | |
| 24 Hours 48 Hours 7 Days 14 Da | ys 🗌 21 Da | ys 🛈 O | ther_ | | D_ | | | | | | _C | at- | B | | | | | | | | | | | |
| 1. Relinguistifed By | | Date 2/2 | 8/0 | 7 | Time /3 | 3 ₀ | | 1. A | leceiv | ved B | W. | aus | 14 | R. | | | | | | | * | | 2/28/07 | Time 1530 |
| 2. Helinquished By | | Date 2/a | 28/ | 07 | , Time | | | 2. F | recein | ved B | ۲ | | | | | | | | | | | . | 0 S (0) | Time ()S/S |
| 3. Refinquished By | | Date | t- | | Time | | | 3. F | lecen | ved B | У | | | | | · | | = | | . | | | Date | Time |
| Comments | | | | | <u></u> | | | 1 | | | | | | | | | | | | | | | <u> </u> | |
| | | | | | | | | | | | | | | | | | | | 2 | <u> </u> | <u>٧. ८</u> | <u>ഗ</u> | • (| |

Date: 03/01/2007 Time: 12:04:04 STL Buffalo Sample Inventory

Page: 1 Rept: AN0383

| Job No: A07-1 Client: Camp Project: NY7A9 SDG: Case: SMO No: No. Samps: 1 | Dresser and Mckee | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: YES tody: YES Tags: NO | Cooler Temperature: | 2a2.0°C | | |
|---|-------------------|------------------|----------|---|------------------------------------|---------------------|---------|------|-----|
| | | | | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| 02/27/2007 12:50 | 03/01/2007 09:15 | INFLUENT-0207 | A7190301 | Good | 2-11GA | PCBS | RECNY | 0100 | |

| | | 多 C | > | (** |
|--------|------------|------------|----------|------------------|
| Sample | Custodian: | | <u> </u> | <u>(/20 ぢ</u> > |

Method 608 Data

Analytical Report March Sampling Event

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-2607

STL Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalsk Project Manager

04/05/2007

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.

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | LED | RECEIVI | Œ |
|---------------|--------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7260701 | NTS-BCW-0307 | | 03/19/2007 | | | |
| A7260702 | NTS-BCW-0307 (DUP) | WATER | 03/19/2007 | 07:30 | 03/20/2007 | 19:45 |
| A7260703 | NIS-EW-0307 | WATER | 03/19/2007 | 07:40 | 03/20/2007 | 19:45 |
| A7260704 | NTS-EW-0307 (DUP) | WATER | 03/19/2007 | 07:40 | 03/20/2007 | 19:45 |

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.

METHODS SUMMARY

Job#: <u>A07-2607</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: <u>A07-2607</u>

SIL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-2607

Sample Cooler(s) were received at the following temperature(s); 2.0 °C OP:Please filter DUP samples prior to extraction.

GC Extractable Data

For method 8082, Aroclor 1260 and Decachlorobiphenyl exhibited positive bias and a % difference result slightly greater than 15% in an associated ending continuing calibration verification. No corrective action was taken; all field samples were non-detect for this analyte and all surrogate recoveries are within control limits.

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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski

Project Manager

Date

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.

Date: 04/05/2007

Requested Detection Limits < STL's PQL

Page:

Rept: AN1520

Time: 08:53:33

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 | <u>Parameter</u> | Unit | Client DL | STL POL |
|--------|---------------------------------|------|--------------|------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.12 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | ANALY | TICAL REQ | UIREMENTS | 3 | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|-----------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NTS-BCW-0307 | A7260701 | • | _ | • | CFR136 | - | - | - |
| NTS-BCW-0307(DUP) | A7260702 | - | - | • | CFR136 | - | - | • |
| NTS-EW-0307 | A7260703 | • | - | • | CFR136 | - | • | - |
| NTS-EW-0307(DUP) | A7260704 | | - | - | CFR136 | - | - | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|-----------------------|--------|-------------------|----------------------------|-------------------|---------------------------------------|
| NTS-BCW-0307 | WATER | 03/19/2007 | 03/20/2007 | 03/21/2007 | 03/22/2007 |
| NTS-BCW-0307(DUP) | WATER | 03/19/2007 | 03/20/2007 | 03/21/2007 | <u>-</u> |
| NTS-EW-0307 | WATER | 03/19/2007 | 03/20/2007 | 03/21/2007 | 03/22/2007 |
| NTS-EW-0307(DUP) | WATER | 03/19/2007 | 03/20/2007 | 03/21/2007 | • • • • • • • • • • • • • • • • • • • |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-BCW-0307 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-BCW-0307(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0307 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0307(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Co | ontract. | | NTS-BCW-03 | 07 |
|---|-----------------------------|----------------------------------|----------------|------------|
| Lab Maile: Sin Buildio | Officiact: | <u>.</u> | | |
| Lab Code: RECNY Case No.: SA | S No.: SDG | No.:: | | |
| Matrix: (soil/water) <u>WATER</u> | Lab | Sample ID: | A7260701 | |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab | File ID: | 12A76150.T | <u>xo</u> |
| % Moisture: decanted: (Y/N) N | Dat | e Samp/Recv: | 03/19/2007 | 03/20/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Dat | e Extracted: | 03/21/2007 | |
| Concentrated Extract Volume: 2000 (uL) | Dat | e Analyzed: | 03/22/2007 | |
| Injection Volume:1.00(uL) | Dil | ution Factor: | 1.00 | |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sul | fur Cleanup: | (Y/N) <u>Y</u> | |
| CAS NO. COMPOUND | CONCENTRATION (ug/L or ug/K | UNITS: g) <u>UG/L</u> | Q | |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 | | 0.061 0.061 0.061 0.061 | ט ט | |
| 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 Total Polychlorinated I | | 0.061 0.061 0.061 | ן ט | |
| | KIDDETIVIS I | 0.094 | וט ו | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contract: | NIS-EW-0307 |
|--|---|
| Lab Code: <u>RECNY</u> Case No.: SAS No.: _ | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7260703 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>12A76151.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 03/19/2007 03/20/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>03/21/2007</u> |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 03/22/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| - - | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U |
| Total Polychlorinated Biphenyls | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | | | Contract: | | |
|------------------------------|------|--------------|----------|-----------|--------------|--|
| Lab Code: RECNY | Case | No.: | | SAS No.: | SDG No.: | |
| GC Column(1): <u>ZB-35</u> | _ | ID: <u>0</u> | .53 (mm) | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | ====== | ### # ##### | 282222 | ======= | 22027#2 | ====== | TOT OUT |
|---|--|------------------------|-----------|----------------|--------|--------------------|--------|---------|---------|--------|------------|
| 2 | Matrix Spike Blank Matrix Spike Blk Dup | | 106 89 | 120 100 | | . : | | | | | 0 |
| 4 | Method Blank NTS-BCW-0307 | A780392303 A7260701 | 88 118 | 86 110 | | | | | | | 0 |
| 5 | NTS-EW-0307 | A7260703 | 112 | 104 | | | | | | | 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene (50-150) (50-150)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | | Lab Samp ID: <u>A7B0392303</u> | | | | |
|------------------------------|---|--|--------------------------------|---------------|---|----------------------------------|--|
| Lab Code: RECNY Case No.: | | | | SDG No.: | | | |
| le No.: <u>Method B</u> | lank | | | | | | |
| SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | 1 1 | | + | | | |
| 1.00 1.00 | 1.02 1.19 | 102 120 | | 1 1 | | | |
| SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | | | RPD | REC. | 1 | |
| 1.00 | 0.975 1.15 | 98 116 | 4 3 | 30 30 | 50 - 150 50 - 150 | | |
| its tside limits | | n asteris | k | | · | | |
| | SPIKE ADDED UG/L 1.00 1.00 SPIKE ADDED UG/L 1.00 1.00 g recovery and R hits | SAS No.: SAS No.: SPIKE ADDED UG/L 1.00 1.02 1.00 1.19 SPIKE ADDED CONCENTRATION UG/L SPIKE ADDED UG/L 1.00 1.19 SPIKE ADDED UG/L 1.00 0.975 1.15 Grecovery and RPD values with and the state of the state o | SAS No.: | SAS No.: SI | SPIKE ADDED CONCENTRATION REC # REC. SPIKE ADDED 1.00 1.19 120 50 - 150 1.00 1.19 120 50 - 150 1.00 1.15 116 3 30 g recovery and RPD values with an asterisk sitside limits | SPIKE ADDED CONCENTRATION WSB CC | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: <u>STL Buffalo</u> | Contract: | | Method Blank | |
|--|--------------------------|--|---------------|------|
| | | | | |
| Lab Code: <u>RECNY</u> Case No.: | _ SAS No.: | : SI | OG No.: | |
| Lab Sample ID: <u>A7B0392303</u> | Lab H | File ID: <u>12A76</u> | 5147.TX0 | |
| Matrix: (soil/water) <u>WATER</u> | Extra | action: | SEPF | |
| Sulfur Cleanup: (Y/N) : \underline{Y} | Date | Extracted: | 03/21/2007 | - |
| Date Analyzed (1): 03/22/2007 | Date | Analyzed (2): | · | |
| Time Analyzed (1): <u>12:22</u> | Time | Analyzed (2): | | |
| Instrument ID (1): <u>HP5890-12</u> | Instr | rument ID (2): | · | |
| GC Column (1): <u>ZB-35</u> Dia: <u>0.</u> | 53 (mm) GC Cc | olumn (2): | Dia: _ | (mm) |
| THIS METHOD BLANK APPLIE | S TO THE FOLI | LOWING SAMPLES | , MS AND MSD: | |
| CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | ANALYZED 2 | |
| 1 Matrix Spike Blank 2 Matrix Spike Blk Dup 3 NTS-BCW-0307 | A7B0392301 A7B0392302 | 03/22/2007 03/22/2007 03/22/2007 | | |
| Comments: | | | <u> </u> | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contra | Method Blank |
|--|--|
| The Name, Sin Burgato | ECC: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Iab Sample ID: <u>A7B0392303</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: 12A76147.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 03/21/2007 |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 03/22/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: _5.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.065 U 0.065 U 0.065 U 0.065 U |
| | |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | • | | SAMPLED | | RECEIVI | ED . |
|---------------|--------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7260701 | NTS-BCW-0307 | WATER | 03/19/2007 | 07:30 | 03/20/2007 | 19:45 |
| A7260702 | NTS-BCW-0307 (DUP) | WATER | 03/19/2007 | 07:30 | 03/20/2007 | 19:45 |
| A7260703 | NTS-EW-0307 | WATER | 03/19/2007 | 07:40 | 03/20/2007 | 19:45 |
| A7260704 | NTS-EW-0307 (DUP) | WATER | 03/19/2007 | 07:40 | 03/20/2007 | 19:45 |

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.

METHODS SUMMARY

Job#: <u>A07-2607</u>

SIL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: <u>A07-2607</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-2607

Sample Cooler(s) were received at the following temperature(s); $2.0~^{\circ}$ C OP:Please filter DUP samples prior to extraction.

GC Extractable Data

For method 8082, Aroclor 1260 and Decachlorobiphenyl exhibited positive bias and a % difference result slightly greater than 15% in an associated ending continuing calibration verification. No corrective action was taken; all field samples were non-detect for this analyte and all surrogate recoveries are within control limits.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R./Kacalski

Project Manager

Data

Chain of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | |
|--|---|--|--|--------------------------------|
| CAU | Project Manager | MATE Mallias | Date 2/19/07 | Chain of Custody Number 298483 |
| Address / Ceneral Motors Drive | Telephone Number (Area Co | de)/Fax Number 2 315 403 57 N | L& Number | Page of |
| Swacuse State y Zip Code NY 13206 | Site Contact IIM Behaved | Lab Contact | Analysis (Attach list if more space is needed) | |
| Project Name and Location (State) Wallace acl Su Fac Oblighell! | | 777 005 | | Special Instructions/ |
| Contract/Purchase Order/Quote No. | Matrix | Containers & Conta | | Conditions of Receipt |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Time Aqueous | Unpress HISOGA HOI NAOH NAOH NAOH NAOH NAOH NAOH NAOH NAOH | | |
| WTS-BCW-0307 3/19/0 | | Ζ Χ | | debetralimet of 0.01 |
| NTS-RCW-0307 (DUP) | 073U K | <u>Z</u> | | |
| NR-EW-0307 | 0740 X | 2 | | |
| WIB- EN-0307(DDD) -1 | 0740 4 | 14 | | |
| | 1 1111 | | | |
| | | | | |
| | | | | |
| | + | | | |
| | | | | |
| | | | | |
| Possible Hazard Identification Non-Hazard | Sample Disposal Unknown Return To Clie | ant Sisposal By Lab Archive F | (A fee may be ass | ressed if samples are retained |
| Turn Around Time Required 24 Hours 48 Hours 7 Days 14 Days 21 | | QC Requirements (Specify) | 4rB | |
| 1. Relinquished by | Date 3/20/07 Time 1 144 | 1. Received By | STZ PUR | 3/50/07 Time |
| 2. Relinquistified By | 3/30/07 Time | 2. Received B | SIL | Date 1.07 19:45 |
| 3. Relinquished By | Dete Time | 3. Received by | | Date Time |
| Comments " D)P" Samala | Chaluse ale | 11 there is do | Letin a di sin | D Sangles |
| DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Sta | ays with the Sample. PINK - Field Co. | by 0 | , | 30, |



STL Buffalo

Doc. Login/ARRF - Side A Rev 3

10/17/2005

| SAMPLE LOGIN | JOB# 2607 | | | | |
|--|--|--|--|--|--|
| Shipment ID | Strict Internal COC: YES NO | | | | |
| • | Residual Chlorine Check: | | | | |
| | Radiation Check < 0.02 mR/hr: YES / NO | | | | |
| ACProject / Task | M7A9595 11 | | | | |
| TATCD # OF SAMPLE | ESTRIP BLANK Y(N) # | | | | |
| SHIPPED BY DEU VERED | ATTACH SHIPPING TAGS | | | | |
| RECEIVED DATE / TIME: | 3,20,07 19:45 | | | | |
| | | | | | |
| COOLER TEMP 2 - 0 °C (4+/-2 | °C) OK NO | | | | |
| Cooler Custody Seal intact? YES/NO NON | SEAL# | | | | |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) | | | | |
| SUBCONTRACT YES/NO LAB | SM# | | | | |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE | | | | |
| Sample received outside hold time | | | | | |
| Headspace in VOA vials | | | | | |
| Problems with bottle labels | | | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill | out ARRF, see reverse) | | | | |
| TAT AS PER JRY. | · · · · · · · · · · · · · · · · · · · | | | | |
| | | | | | |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials <u>U</u> } | | | | |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? Initials <u>B</u> | | | | |
| Temp.Cert.Loss: New York Potable Water: Nitrate b Carbaryl by Method 531.1 Massachusetts Drinking V | | | | | |

Date: 03/21/2007 Time: 08:20:10

STL Buffalo Sample Inventory Page:

Rept: AN0383

| Job No: A07-2607 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4 | | | Radiation Check: YES Custody Seal: NO Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO | | Cooler Temperature: 2.0°C | | | | |
|---|--------------------------------------|----------------------------------|--|----------------------|--------------------------------------|---|----------------------------------|------------------------------|------|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres Code | l og |
| 03/19/2007 07:30 03/19/2007 07:30 03/19/2007 07:40 03/19/2007 07:40 | 03/20/2007 19:45 03/20/2007 19:45 | NTS-BCW-0307(DUP) NTS-EW-0307 | A7260701 A7260702 A7260703 A7260704 | Good Good Good | 2-11GA 2-11GA 2-11GA 2-11GA | PCBS PCBS(EXTRACT AND HOLD) PCBS PCBS(EXTRACT AND HOLD) | RECNY RECNY RECNY RECNY | 0100 0100 0100 0100 | - |

| ample Custodian: <u>(3 3 / 21 /2007</u> | Analytical Services Coordinator: |
|---|----------------------------------|
|---|----------------------------------|

608 Data

Analytical Report April Sampling Event



STL Buffalo

10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-4396</u>

STL Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

05/16/2007

STL Buffalo Current Certifications

As of 5/8/2007

| 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 |
| lowa | 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, CŴA | 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 |
| 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIVE | ŒD. |
|---------------|--------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7439601 | NTS-BCW-0407 | WATER | 04/25/2007 | 10:00 | 04/26/2007 | 16:30 |
| A7439602 | NTS-BCW-0407 (DUP) | WATER | 04/25/2007 | 10:00 | 04/26/2007 | 16:30 |
| A7439603 | NTS-EW-0407 | WATER | 04/25/2007 | 10:10 | 04/26/2007 | 16:30 |
| A7439604 | NTS-EW-0407 (DUP) | WATER | 04/25/2007 | 10:10 | 04/26/2007 | 16:30 |

METHODS SUMMARY

Job#: A07-4396

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

METHOD

PARAMETER
METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-4396</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-4396

Sample Cooler(s) were received at the following temperature(s); $4.0\,^{\circ}$ C Lab to filter samples 02 & 04 prior to extraction.

GC Extractable Data

For method 8082, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Decachlorobiphenyl. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R./Kacalski Project Manager

Date

Date: 05/16/2007

Requested Detection Limits < STL's PQL

Page: Rept: AN1520

Time: 08:36:11

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 | <u>Parameter</u> | Unit | Client DL | STL POL |
|--------|---------------------------------|------|--------------|------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.12 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NTS-BCW-0407 | A7439601 | - | - | - | CFR136 | - | - | - |
| NTS-EW-0407 | A7439603 | - | - | | CFR136 | - | - | - |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-BCW-0407 | WATER | 04/25/2007 | 04/26/2007 | 04/27/2007 | 04/29/2007 |
| NTS-EW-0407 | WATER | 04/25/2007 | 04/26/2007 | 04/27/2007 | 04/29/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-BCW-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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 aidol-condensation product.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: STL Buffalo Contrac | t: |
|--|---|
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7439601</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>19A96057.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/25/2007 04/26/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/27/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/29/2007 |
| Injection Volume: 1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U |
| | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: <u>STL Buffalo</u> Contract | NTS-EW-0407 |
|--|---|
| - | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7439603 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>19A96058.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/25/2007 04/26/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/27/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/29/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U |
| IIOFAL POLYCOLOGIDATED RIDDENV | ris I 0.094 lii I |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: | STL Buffalo | | | | Contract: | | | |
|------------|------------------|------|--------------|----------|-----------|-------------|----------|--|
| Lab Code: | RECNY | Case | No.: | | SAS No.: | | SDG No.: | |
| GC Column(| 1): <u>ZB-35</u> | _ | 10: <u>0</u> | .53 (mm) | | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | ====== | | 807 <i>52</i> | | TOT OUT |
|-------------|---|--|----------------------------|-------------------------------|--|--------|------|---------------|---|------------|
| 2 3 4 | Matrix Spike Blank Matrix Spike Blk Dup Method Blank NTS-BCW-0407 NTS-EW-0407 | A780626101 A780626102 A780626103 A7439601 A7439603 | 82 80 71 93 88 | 106 97 83 108 111 | | | | | · | 0000 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene (26-145) (25-152)

- # Column to be used to flag recovery values* Values outside of contract required QC limitsD Surrogates diluted out

1

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab Samp ID: <u>A7B0626103</u> | | | | | |
|---|------------------------|------------------------------|-------------------|--------------------------------|-------------|----------------------|--|--|--|
| Lab Code: <u>RECNY</u> Case No |).: | SAS No.: | | SI | og No. | : | | | |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | <u>lank</u> | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 | 1.02 1.00 | 102 100 | 58 - 141 56 - 144 | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSED CONCENTRATION UG/L | | % RPD # | RPD | 1 | | | |
| Aroclor 1016_ Aroclor 1260_ | 1.00 | 0.982 1.06 | 98 | . 4 7 | 30 | 58 - 141 56 - 144 | | | |
| Column to be used to flag recovery and RPD values with an asterisk Values outside of QC limits | | | | | | | | | |
| RPD: <u>0</u> out of <u>2</u> out Spike recovery: <u>0</u> out o | | limits | | | | ı | | | |
| Comments: | | · | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: | STL Buffalo | | Method Blank | | | | | |
|---------------------------------------|---------------------------------|----------------------|----------------------------------|--------------------|------|--|--|--|
| Lab Code: | RECNY Case No.: | SAS No. | : SI | DG No.: | | | | |
| Lab Sample | ID: <u>A7B0626103</u> | Lab | Lab File ID: <u>19A96055.TX0</u> | | | | | |
| Matrix: (s | soil/water) <u>WATER</u> | Extr | action: | SEPF | | | | |
| Sulfur Cle | eanup: (Y/N): <u>Y</u> | Date | Extracted: | 04/27/2007 | | | | |
| Date Analy | zed (1): <u>04/29/2007</u> | Date | Date Analyzed (2): | | | | | |
| Time Analy | rzed (1): <u>12:47</u> | Time | Analyzed (2) | : | | | | |
| Instrument | ID (1): <u>HP5890-19</u> | Inst | rument ID (2) | : | | | | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | <u>.53</u> (mm) GC C | olumn (2): | Dia: _ | (mm) | | | |
| ٦ . ټه | THIS METHOD BLANK APPLIE | ES TO THE FOL | LOWING SAMPLES | S, MS AND MSD: | | | | |
| · · · · · · · · · · · · · · · · · · · | CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 | | | | |
| 1 2 3 4 | | A7B0626101 | | | | | | |
| Comments: | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: <u>STL Buffalo</u> Contra | Method Blank |
|--|--|
| Lab Name: SIL Bullaro Concre | act: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B0626103</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Iab File ID: <u>19A96055.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/27/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/29/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.065 U 0.065 U 0.065 U 0.065 U 0.065 U 0.065 U |
| Total Polychlorinated Biphe | myls 0.10 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | SAMPLED | | ED CE |
|---------------|--------------------|---------------|------------|---------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | <u>MATRIX</u> | DATE | TIME | DATE | TIME |
| A7439601 | NTS-BCW-0407 | WATER | 04/25/2007 | 10:00 | 04/26/2007 | 16:30 |
| A7439602 | NTS-BCW-0407 (DUP) | WATER | 04/25/2007 | 10:00 | 04/26/2007 | 16:30 |
| A7439603 | NTS-EW-0407 | WATER | 04/25/2007 | 10:10 | 04/26/2007 | 16:30 |
| A7439604 | NTS-EW-0407 (DUP) | WATER | 04/25/2007 | 10:10 | 04/26/2007 | 16:30 |

METHODS SUMMARY

Job#: <u>A07-4396</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER

ANALYTICAL

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: A07-4396

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-4396

Sample Cooler(s) were received at the following temperature(s); 4.0 °C Lab to filter samples 02 & 04 prior to extraction.

GC Extractable Data

For method 8082, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Decachlorobiphenyl. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Chain of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-------------|-------------|----------|----------|---------|----------|-------|--------|---------------|----------|----------|--------|----------|-------------|----------|---|----------------|--------|---------|------------|---------------------------|---------------------------------------|-------------|
| Client CDM | · | Projec | t Man | ager | 1 | ATT | - | ΙĬ | 11: | c | | | | | | | Date 4/ | / ₂ | 67 | , | | Chain of Custody No. 2517 | imber 7 0 | |
| Address | | Telepi | hone f | Numbe | r (Are | a Cod | e)/Fa | x Nui | mber | | | | | | | | Zab Ni | | 0 / | | | <u> </u> | 7 | |
| 1 Correcal Motors Drive | | 3 | 15 | 43 | 13 | 25 | 2 | | 71 | 5 | 46 | 3 9 | 576 | טיי | |] | | | | | | Page | of/ | |
| State Zip White Ny 1 | Code 1206 | Site C | ontaci M | Bea | ut | 1 | Lab | Con | täct | | | | | | <u></u> | | rsis (A space | | | | 17 | | | |
| Project Name and Location (State) | | Carrie | r/Way | bill Nu | mber | | | | | | | | | 100 | | | | | | | | | | |
| MWallace and Son fre Cablesh | el / 17. | | Т | | <u>u</u> | p- | ЧU | , | | | 0 | | 13 | | | | | | | | | Special I. | nstructions/ s of Receipt | |
| Ostalada diamase orden/adole to. | | | | M | atrix | | | | | aine ervat | | | | 1 ~ | | | | | | | | Condition | o or ribcolpt | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Ąį | Aqueous | Sed. | jo N | Unpres. | H2SO4 | HNO3 | HC | NaOH | NaOH | 9 | 1 4 | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| NTS-BCW-0407 | 4/25/07 | 1000 | | X | | | 2 | | | | | | Х | <u> </u> | | | | | | | | detection | limit of 6 | 2,05 |
| WFS-BCW-0407(NUP) | 1 | 1000 | | x | | | 2 | | | | | | | X | | | | | | | | | | |
| NB- EW-0407 | | 1010 | | x | | | 2 | 1 | | | | | χ | | | | | | | | | | | |
| WB-EW-0407 (EUP) | | 1010 | | x | \perp | | 2 | | | | | | | X | | \perp | | | | | | | | _ |
| | | | 1_ | | 1 | | <u> </u> | | | | | | _ | 1_ | | _ _ | Ш | \perp | | _ | | | | _ |
| | | | | | | | <u> </u> | | | | | | | | | | | | | | Ш | | | |
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| | | | | | | Ì | | | | | • | | | | | | | | | | | | | |
| | | · | | | | | | | | | | | 7 | 1 | П | | | | | T | | | | _ |
| | | | | | | | | | | | | | | | | | | | | | | | <u></u> | _ |
| | | | | | 1 | | | | | | | | | | | | | | | | | | | _ |
| | | - | 1 | \sqcap | | | 1 | | | | | \dashv | \top | \top | | <u> </u> | | 1 | | | | | | _ |
| Possible Hazard Identification | 1 | | 15 | Sample | Disp | osal | | | | Ł | <u>+</u> | i_ | | | | | | L | (A fee | mayl | he asse | essed if samples are i | retained | _ |
| Non-Hazard | Poison B | Unknow | m E | Ret | um T | o Clier | nt , | | | sal B | | (Spec | | chive | For | | _ Mon | | | | 1 mont | | | |
| 24 Hours 48 Hours 7 Days 14 Days | ıys 🗌 21 Days | ÌX o | ther | 5) | カ | | _ | 1 | Hequ | urem | ents | (Spec | Jily) | | | | | | | | | | | |
| 1. Reliaguished by | <u> </u> | Bate/ | 25/0 | 77 | Time | 818 | | 1. F | Recei | ved E | | ens | de | De | • | | | | | | | Date 0. | Gime 19:18 | _ |
| 2. Relinquished By | | Date/ | 3/0 | 17 | Time | 30 | | 2. F | Reco | yed 5 | | | Me | | ø <u>C_</u> | | • | | , | <u></u> | ٦, | Date 0426-67 | Time 16:30 Time | _ 26 |
| 3. Relinquished By | | Date | • | | Time | , | - | 3.7 | Réceir | veft E | · V | | / | | | | • | | | _= | | Date | Time | 1276 |
| Comments HTSCO "NOP" SCIMPLES DISTRIBUTION: WHITE - Returned to Client with Report: | . ana | las | | m | 24 | ı | | | L | ell. | | l' |) | di | 2fa | H | in. | in | n | i. | i. Chc_ | O Saus | 6. | _ •` |
| DISTRIBUTION: WHITE - Returned to Client with Report: | CANARY - Stays w | ith the San | mple: | PINK | Field | і Сор | 7 | دعي | | | | | | • | | | U | .0 | | 1 | | D Sairp | | |

STL Buffalo

Doc. Login/ARRF - Side A Rev 3

| SAMPLE LOGIN | JOB# | | 0/17/2003 |
|--|---------------|-----------------|---------------------------------------|
| Shipment ID | Strict Intern | al COC: | YES / NO |
| | Residual Ch | lorine Check: | |
| ACProject / Task _ | A I | neck <0.02 mR/i | r: YES/NO |
| TATBD/CD # OF SAMPLE | | | |
| SHIPPED BY | ATT | ACH SHIPPING | TAGS |
| RECEIVED DATE / TIME: | 04 | 26,07 | 16:30 |
| COOLER TEMP °C (4 +/- 2 ' | °C) | ок | NO |
| Cooler Custody Seal intact? YES/NO NON | IE SEAL | # | |
| If NO to cooler temp or seal, PM notified? YES | | (PM N | lame) |
| SUBCONTRACT YES/NO LAB | | SM#_ | |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 | HR +3 HR | NONE |
| Sample received outside hold time | <u> </u> | | |
| Headspace in VOA vials | | | ** |
| Problems with bottle labels | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill | out ARRF, se | ee reverse) | |
| | | | |
| ARE SAMPLE DATES AND TIMES CORRECT? | | Init | ials <u>h)</u> |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? | Init | ials <u>B</u> |
| Temp.Cert.Loss: | | | · · · · · · · · · · · · · · · · · · · |

Date: 04/26/2007 Time: 21:14:50

STL Buffalo Sample Inventory Page: Rept: AN0383

| Job No: A07-4396 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4 | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: YES tody: YES Tags: NO | Cooler Temperature: 4.0°C | | | | |
|---|--|----------------------------------|---|------------------------------------|--------------------------------------|-------------------|----------------------------------|------------------------------|-----------|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres Code | log PH |
| 04/25/2007 10:00 04/25/2007 10:10 | 04/26/2007 16:30 04/26/2007 16:30 04/26/2007 16:30 04/26/2007 16:30 | NTS-BCW-0407(DUP) NTS-EW-0407 | A7439601 A7439602 A7439603 A7439604 | Good Good Good Good | 2-11GA 2-11GA 2-11GA 2-11GA | PCB PCB PCB | RECNY RECNY RECNY RECNY | 0100 0100 0100 0100 | |

| ample | Custodian: | Spanande | 00/26 | /20 C |
|-------|------------|--------------|-------|-------|
| - | • | /// | • | |

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered

Second Digit: Sample Requires Cooling; (4°) 1=Cooled, O=Not Cooled

| Analytical Services Coordinator: | | //20 |
|----------------------------------|--|------|
|----------------------------------|--|------|

8082 Data

Analytical Report May Sampling Event



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-5757</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

06/19/2007

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIVE | ⊡D |
|---------------|-------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | |
| A7575701 | NIS-EW-0507 | WATER | 05/23/2007 | 08:00 | 05/25/2007 | 08:45 |
| A7575702 | NTS-EW-0507 (DUP) | WATER | 05/23/2007 | 08:00 | 05/25/2007 | 08:45 |

1000

METHODS SUMMARY

Job#: A07-5757

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: A07-5757

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-5757

Sample Cooler(s) were received at the following temperature(s); 202.0 °C Filter sample 02 prior to extraction.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Date: 06/19/2007

Requested Detection Limits < STL's PQL

Page: Rept: AN1520

Time: 10:57:00

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.

| <u>Method</u> | Parameter | <u>Unit</u> | Client <u>DL</u> | STL POL |
|---------------|---------------------------------|-------------|---------------------|------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.54 |

 $x = x \in \mathbb{Q}_{p^{n-1}}(\mathbb{Q}_p) = \mathbb{Q}_p = \frac{x}{p^{n-1}}$

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | ANALY | TICAL REQ | UIREMENT | S | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|----------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NTS-EW-0507 | A7575701 | | - | | CFR136 | - | - | |
| NTS-EW-0507 (DUP) | A7575702 | - | - | - | CFR136 | | - | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME; SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-0507 | WATER | 05/23/2007 | 05/25/2007 | 05/30/2007 | 05/31/2007 |
| NTS-EW-0507 (DUP) | WATER | 05/23/2007 | 05/25/2007 | 05/30/2007 | 05/31/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-0507 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0507 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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 callbration 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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Tab Name . OW D. C | NTS-EW-0507 |
|--|---|
| Lab Name: STL Buffalo Contrac | |
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7575701 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>12A86075.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>05/23/2007</u> <u>05/25/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: 05/30/2007 |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 05/31/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 | 0.061 U 0.061 U |
| 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U |
| Total Polychlorinated Bipher | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: STL Buffalo | | | | Contract: | | |
|----------------------------|------|-------|-----------------|-----------|--------------|--|
| Lab Code: <u>RECNY</u> | Case | No.: | | SAS No.: | SDG No.: | |
| GC Column(1): <u>ZB-35</u> | _ | ID: 0 | <u>.53</u> (mm) | | | |

| | Client Sample ID | Lab Sample 1D | - | TCMX %REC # | | | | | | | TOT |
|---|----------------------|---------------|--------|----------------|---------|--------|---------|--------|--------|--------|------|
| | *************** | 526229222222 | 222222 | 222222 | ======= | ====== | 2222322 | ====== | ====== | ====== | [=== |
| 1 | Matrix Spike Blank | A7B0824301 | 65 | 99 | İ | 1 | | | ļ | 1 | 0 |
| 2 | Matrix Spike Blk Dup | A7B0824302 | 55 | 100 | ļ | | | | | · | 0 |
| | Method Blank | A7B0824303 | 60 | 89 | ĺ | , | l . | | 1 | 1 | 0 |
| 4 | NTS-EW-0507 | A7575701 | 88 | 84 | | | | | ' | | 0 |
| | | | L | ļ . | | | | | L 1 | | |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: STL Buffalo | Contract: | | Lab Samp ID: <u>A7B0824303</u> | | | | |
|---|------------------------|-------------------------------|--------------------------------|----------------------|----------|----------------------|---|
| Lab Code: <u>RECNY</u> Case No | SAS No.: | | SDG No.: | | | | |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | <u>lank</u> | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.841 0.942 | 84 94 | 58 - 141 56 - 144 | 1 1 | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 | | l . | + |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.878 0.981 | 88 98 | 5 4 | 30 30 | 58 - 141 56 - 144 | = |
| # Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits | | | | | | | |
| RPD: 0 out of 2 out of 5 out of 0 out of 0 | | limits | | | | | |
| Comments: | | | | | | <u> </u> | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| I.ah Name. | CTT. Buffalo | Contrañt. | | Method Blank | | | |
|-------------|--|--------------------------|----------------------|----------------|------|--|--|
| Dab Mame: | STL Buffalo | Contract: _ | | | • | | |
| Lab Code: | RECNY Case No.: | SAS No. | : S | DG No.: | | | |
| Lab Sample | ■ ID: <u>A7B0824303</u> | Lab | File ID: <u>12A8</u> | 6074.TX0 | | | |
| Matrix: (s | soil/water) <u>WATER</u> | Extr | action: | SEPF | | | |
| Sulfur Cle | eanup: (Y/N): <u>N</u> | Date | Extracted: | 05/30/2007 | | | |
| Date Analy | yzed (1): <u>05/31/2007</u> | Date | Analyzed (2) | : | | | |
| Time Analy | yzed (1): <u>15:31</u> | Time | Time Analyzed (2): | | | | |
| Instrument | ID (1): <u>HP5890-12</u> | Inst | rument ID (2) | : | | | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | <u>.53</u> (mm) GC C | olumn (2): | Dia: | (mm) | | |
| | THIS METHOD BLANK APPLIE | es to the fol | LOWING SAMPLES | s, ms and msd: | t | | |
| | CLIENT SAMPLE NO. | ľ | DATE ANALYZED 1 | | · | | |
| 1 2 3 | Matrix Spike Blank Matrix Spike Blk Dup | A7B0824301 A7B0824302 | 05/31/2007 | | | | |
| Comments: | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: <u>STL Buffalo</u> Contrac | Method Blank |
|---|--|
| TED MANE: SILI BULLATO CONCIA | ct: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B0824303</u> |
| Sample wt/vol:1000.00 (g/mL) ML | Lab File ID: <u>12A86074.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 05/30/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 05/31/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.065 U |
| 11104-28-2Aroclor 1221 | 0.065 U |
| 11141-16-5Aroclor 1232 | 0.065 U |
| 153469-21-9Aroctor 1242 | I 0.065 IU I |
| 12672-29-6Aroclor 1248 | 0.065 U |
| 11097-69-1Aroctor 1254 | 0.065 U |
| 11096-82-5Aroclor 1260 | 0.065 Ü |
| Total Polychlorinated Bipher | nyls 0.10 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | ŞAMPI | FD | RECEIVED | | |
|---------------|-------------------|--------|------------|-------|------------|-------|--|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME | |
| A7575701 | NTS-EW-0507 | | 05/23/2007 | | | | |
| A7575702 | NTS-EW-0507 (DUP) | WATER | 05/23/2007 | 00:80 | 05/25/2007 | 08:45 | |

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.

METHODS SUMMARY

Job#: <u>A07-5757</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL METHOD

PARAMETER
METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: A07-5757

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-5757

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C Filter sample 02 prior to extraction.

GC Extractable 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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R/Kacalski Project Manager

Date

Chain of Custody

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
|--|------------------|--------------|-------|-------------|--------|--|----------|-------|----------------|-----------|----------|---|--------------|-----------|-------------|----------|-----------|---------|---------|------------|--|-------------|----------|----------------|-------------------------|---|--------------|----------------|
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| City State Zip | Code | Site Co | ntact | | , , , | | Lab | Conta | act | • | 19 | <u>, , , , , , , , , , , , , , , , , , , </u> | <u> </u> | <u>~_</u> | | Analy | rsis (r | Attac | :h list | if | | | | | | | | = |
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| Project Name and Location (State) | | Carrier | Way | bill Nu | mber | | | | | | | | 7. | 100 | | | | | 1 | ł | 1 | | | | | | | |
| M-Wallace and Son The Cubles. Contract/Purchase Order/Quote No. | w NY | | | du | sp i | 150 | <u> </u> | | | | | | 830 | أجزا | | | | | | | ł | | | Specia | | | | |
| Contract/Purchase Order/Quote No. | • | | | Ma | itrix | | | | Conta Prese | | | | | া | 1 | | | | | | | | | Conditi | ons c | of Hed | eipt | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Αï | Aqueous | Soit | | Unpres. | H2SO4 | HNO3 | ğ | NaOH | NaOH | Pcs | Prb (| | | | | | | | | | | | | | _ |
| NTS-EW-0507 | 5/23/07 | 800 | | X | | | 2 | | | | | | X | | | | | | | | | | de | hech | mli | rit c | 6 0.05 | ام |
| NB- EW-0507 (DUP) | 5/23/07 | 800 | | X | | | 2 | | | | | | | X | | | | | | | | | | 11 | | 10 | <i></i> | |
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| Possible Hazard Identification | | | Цs | ample | Dispos | L sal | Щ. | | | | | | | | - 1 | | т | ш | 40.6 | 1 | | | <u> </u> | | | | | - |
| Non-Hazard | Poison B | ☐ Unknown | , [[| Reto | urn To | Clien | ,) | X D | ispos | ai By | / Lab | | Arci | hive F | or | | _ Mon | ths | | | r be as n 1 mc | | aa n sa | mples a | re reta | ınea | | |
| Turn Around Time Required | | Ar . | | | STD | | 1 | | | | | (Speci | (y) | | ··········· | <u> </u> | | - | | | | | | | | | | - |
| 24 Hours 48 Hours 7 Days 14 Da | iys 📋 21 Days | S 🔼 Ott | ner | | Time | | | 1 8 | eceiy | A R | | "> | 10 | | -/ | Ŋ | , | | | | | | Date / | , . | Ti | те | | - |
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| 3. Relinquished By | | Date | 7/- | | Time | | | 3. Re | eceiv | ea B | У | | | | *** | | • | | | | | | Dale | | | me | -1-3 | 72/ |
| Comments HUL "DV/" Sample DISTRIBUTION: WHITE - Returned to Client with Report. | s. On | aluz c | | h | كد | · 4 | du | | · | | u t | cct | in. | | | د ۱ | n c | 9 | 5 | , h.r. | مام | <u>_</u> | - | 2 | کے آء | ک.ر | ح ک | . ⁻ |
| DISTRIBUTION: WHITE - Returned to Client with Report; | CANARY - Stavs w | ith the Sam | pie: | PINK - | Field | Сору | | | | | | | | | | - / / | | <u></u> | | | | | | | | | | |



Doc. Login/ARRF - Side A Rev 4

May 11, 2007

| SAMPLE LOGIN | JOB# 5)5) | |
|--|-----------------------------------|---------------|
| Shipment ID | Strict Internal COC: YES | /(100) |
| | Residual Chlorine Check: |] |
| | Radiation Check < 0.02 mR/hr: YES | / NO |
| ACProject / Task | NY)ASSS 1 | |
| TAT / SBD/CD # OF SAMPL | ESTRIP BLANK Y(N)# | |
| SHIPPED BY Fedex | ATTACH SHIPPING TAGS | |
| RECEIVED DATE / TIME: | 5,25,03 08:4 | |
| | | |
| COOLER TEMP うe え. Oc (4+1-2°C | OK NO | |
| Cooler Custody Seal intact? YES/NO NON | IE SEAL# | |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) | |
| SUBCONTRACT YES NO LAB | SM# | <u>_</u> |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NON | 1E |
| Sample received outside hold time | | |
| Headspace in VOA vials | | |
| Problems with bottle labels | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out | ARRF, see reverse) | |
| | | - |
| PRESERVATION CHECKED YES | NO NA Initials_ | |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials | |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? Initials | 7 C |

Date: 05/25/2007 Time: 15:57:25 STL Buffalo Sample Inventory

Page: 1 Rept: ANO383

Job No: A07-5757 Radiation Check: YES Cooler Temperature: 202.0°C Client: Camp Dresser and Mckee Custody Seal: YES Project: NY7A9595 Chain of Custody: YES SDG: Sample Tags: NO Case: Sample Tag Numbers: NO SMO No: SMO Forms: NO CLSIS: NO No. Samps: 2 Pres log Client Sample ID Lab 10 Condition Code PH Sample Receive **Bottles Parameters** Lab A7575701 05/23/2007 08:00 05/25/2007 08:45 NTS-EW-0507 Good 2-1LGA **PCBS** RECNY 0100 05/23/2007 08:00 05/25/2007 08:45 NTS-EW-0507 (DUP) A7575702 Good 2-1LGA PCBS (EXTR+HOLD) RECNY 0100

| | C 25 0 | | |
|-------------------|-------------|----------------------------------|---------|
| Sample Custodian: | S 12/3/200/ | Analytical Services Coordinator: | /20 |

Analytical Report June Sampling Event

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-7243

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

07/18/2007

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMP | LED | RECEIVI | ∄D |
|---------------|-------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7724301 | NTS-EW-0607 | WATER | 06/27/2007 | 08:15 | 06/28/2007 | 08:40 |
| A7724302 | NIS-EW-0607 (DUP) | WATER | 06/27/2007 | 08:15 | 06/28/2007 | 08:40 |

METHODS SUMMARY

Job#: A07-7243

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-7243</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-7243

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C Lab to filter "DUP" sample prior to extraction.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Date: 07/18/2007

Requested Detection Limits < Lab PQL

Page:

Time: 08:35:12

Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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.

| <u>Method</u> | Parameter | <u>Unit</u> | Client DL | Lab POL |
|---------------|---------------------------------|-------------|--------------|------------|
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.10 | 0.54 |

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|--|--|--|--|
| | VOA GC/MS | | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | | | | |
| NTS-EW-0607 | A7724301 | • | - | • | CFR136 | - | • | . - | | | | |
| NTS-EW-0607(DUP) | A7724302 | - | - | - | CFR136 | - | - | • | | | | |

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-0607 | WATER | 06/27/2007 | 06/28/2007 | 07/02/2007 | 07/05/2007 |
| NTS-EW-0607(DUP) | WATER | 06/27/2007 | 06/28/2007 | 07/02/2007 | - |

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-0607 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0607(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: <u>STL Buffalo</u> Contrac | NTS-EW-0607 |
|--|---|
| concrac | · · |
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7724301 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A92145.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 06/27/2007 06/28/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 07/02/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>07/05/2007</u> |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Clearup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U |
| Total Polychlorinated Biphen | vls 0.094 Ŭ |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | |
|------------------------------|----------------------|-----------|----------|
| Lab Code: RECNY | Case No.: | SAS No.: | SDG No.: |
| GC Column(1): <u>28-35</u> | ID: <u>0.53</u> (mm) | | |

| | Client Sample ID | Lab Sample ID | i e | TCMX %REC # | | | | | | TOT OUT |
|---|-----------------------|--|--------|----------------|--------|---------|------------|------|---------|------------|
| | 2=6x=5x6==x=2x6E26ccc | ====================================== | ====== | 3352222 | ====== | ####### | ====== | **** | ======= | === |
| 1 | Matrix Spike Blank | A7B1032601 | 58 | 102 | | | | • | | 0 |
| 2 | Matrix Spike Blk Dup | A7B1032602 | 60 | 102 | | 1 | | } | | 0 |
| 3 | Method Blank | A781032603 | 62 | 106 | | | | ' | | 0 |
| 4 | NTS-EN-0607 | A7724301 | 70 | 86 | | | | l | | 0 |
| | | | | 1 | | | | | | L |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene (26-145) (25-152)

Ser Gr

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

FORM II - GC EXT

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: STL Buffalo | | Contract: | | Lab Samp ID: <u>A7B1032603</u> | | | | | | | | |
|--|------------------------|-------------------------------|--------------------|--------------------------------|----------|----------------------|--|--|--|--|--|--|
| Lab Code: <u>RECNY</u> Case N | o.: | SAS No.: | | SDG No.: | | | | | | | | |
| Matrix Spike - Client Samp | le No.: Method B | lank | | | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | | | | | | |
| Aroclor 1016Aroclor 1260 | 1.00 1.00 | 0.925 0.881 | 92 88 | 58 - 141 56 - 144 | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | % RPD # | | C LIMITS REC. | | | | | | |
| Aroclor 1016_Aroclor 1260_ | 1.00 1.00 | 0.940 0.948 | 94 95 | 2 8 | 30 30 | 58 - 141 56 - 144 | | | | | | |
| # Column to be used to flag * Values outside of QC lim | - | PD values with ar | n asteris | k | | | | | | | | |
| RPD:0 out of2 out of2 out of0 out of0 out of2 out of0 out of0 out of0 out of2 out of0 out of0 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of0 out of2 out of0 out of2 out of0 out of2 out of0 out of | | limits | | | | | | | | | | |
| Comments: | | | | | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: | STL Buffalo | Contract: _ | | Method Blank | | | | | | |
|-------------|---|--------------------------------------|----------------------------------|--------------------|------|--|--|--|--|--|
| Lab Code: | RECNY Case No.: | SAS No. | S No.: SDG No.: | | | | | | | |
| Lab Sample | ID: <u>A7B1032603</u> | Lab 1 | Lab File ID: <u>12A92141.TX0</u> | | | | | | | |
| Matrix: (s | soil/water) <u>WATER</u> | Extr | action: | SEPF | | | | | | |
| Sulfur Cle | eanup: (Y/N): <u>Y</u> | Date | Extracted: | 07/02/2007 | | | | | | |
| Date Analy | zed (1): 07/05/2007 | Date | Analyzed (2) | | | | | | | |
| Time Analy | zed (1): <u>12:16</u> | Time | Time Analyzed (2): | | | | | | | |
| Instrument | ID (1): <u>HP5890-12</u> | Inst | rument ID (2) | | • | | | | | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | .53 (mm) GC Co | olumn (2): | Dia: | (mm) | | | | | |
| I | HIS METHOD BLANK APPLIE | ES TO THE FOLI | LOWING SAMPLES | , MS AND MSD: | | | | | | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 | | | | | | |
| 1 2 3 | Matrix Spike Blank Matrix Spike Blk Dup NTS-EW-0607 | A7B1032601 A7B1032602 A7724301 | | | | | | | | |
| Comments: | | | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Tab Name (WW D.EE.) | Method Blank |
|--|--|
| Lab Name: STL Buffalo Contrad | |
| Lab Code: RECNY Case No.: SAS No.: | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B1032603</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: <u>12A92141.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>07/02/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 07/05/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.065 U |
| 11104-28-2Aroclor 1221 | |
| 11141-16-5Aroclor 1232 | 0.065 Ŭ |
| 53469-21-9Aroclor 1242 | 0.065 U |
| 112672-29-6Amaion 1248 | 1 0.065 111 1 |
| 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.065 U |
| 12200 02 3 1200202 2200 | 0,000 |
| Total Polychlorinated Bipher | rylsU |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | LEID | RECETV | EID | |
|---------------|-------------------|--------|------------|-------|------------|-------|--|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME | |
| A7724301 | NTS-EW-0607 | WATER | 06/27/2007 | 08:15 | 06/28/2007 | 08:40 | |
| A7724302 | NTS-EW-0607 (DUP) | WATER | 06/27/2007 | 08:15 | 06/28/2007 | 08:40 | |

METHODS SUMMARY

Job#: <u>A07-7243</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

 $\frac{\mathcal{L}_{\mathcal{A}}^{(i)}}{\mathcal{L}_{\mathcal{A}}^{(i)}} = \frac{1}{2^{N_{\mathcal{A}}^{(i)}} \mathcal{L}_{\mathcal{A}}^{(i)}} = \frac{1}{2^{N_{\mathcal{A}}^{(i)}}} = \frac{1}{2^{N_{\mathcal{A}^{(i)}}}} = \frac{1}{2^{N_{\mathcal{A}^{(i)}}}} = \frac{1}{2^{N_{\mathcal{A}^{(i)}}}} = \frac{1}{2^{N_{\mathcal{$

SDG NARRATIVE

Job#: <u>A07-7243</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-7243

Sample Cooler(s) were received at the following temperature(s); 202.0 °C Lab to filter "DUP" sample prior to extraction.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski

Project Manager

Date

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | , | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------|--------------|-------------------------|------------|----------|------------|-------------|------------|------------------|---------------|-----------------|---------------------------------------|----------|------------------|---------------------|--------------------|---|--------------------|---------------|----------------------------|-----------------|-------------|
| COM | | Project Ma | nager | | 45 | K | 1 | 11 | lic. | 1 | | | | D | ate G | /27 | 10- | 7 | Chai | in of Custody Nu. 25177 | nber ! 1 | |
| Addross | <u> </u> | Telephone | Numb | er (Are | a Coo | e)/Fax | Numi | ber | | | | · · · · · · · · · · · · · · · · · · · | | L | ab Nun | | | - | | <u> </u> | | 7 |
| 1 General Metris A | rive | 30 | | 34 | 13 | | | | 511 | -40 | <u>کو</u> | 570 | <u>U</u> | | | | | | Pag | ge <u> </u> | of | |
| Sity Suracest State Zip | code 13206 | Site Conta | Kea | vir | t_ | Lab | Conta | cf | | | | E | | Analys nore s | is (Attoace is T | tach lis s need | st if ied) | 1 1 | _ | | | |
| | tele 14 | Carrier/Wa | | umber 1 | Syr | ac | אנ | Sin | VLc. | Citi | - 9 | 000 4" 009 | | | | | | | | Special In | structions | / |
| Contract/Purchase Order/Quote No. | | | M | atrix | | L <u>-</u> | C | ontaii | ners e vative | ያ | | 93 | } | | | | | | | Conditions | of Receip | ot |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time ₹ | Aqueous | Sed. | Š | Unpres. | HZSO4 | F S | NaOH | ZnAc/ NaOH | 00 | 72 | | | | | | | | | | · |
| NTS-EW-0607 | 6/27/07 | rin | X | | | 2 | | | | | λ | | | | | | | 11 | 4 | Setectus les | ity 0 | 10501 |
| NTS-EW-0607 DUP) | 6/27/07 1 | 715 | X | | | 2 | _ | \bot | Ц_ | | | K | \perp | Ш | | _ | | \perp | \perp | | | |
| | | | $\downarrow \downarrow$ | \perp | | | _ | _ | | <u> </u> | | 44 | | | | | | 11 | \bot | | | |
| | | | - | | | | \perp | 4 | 1 | | - | 11 | _}_ | | | 1 | | 4-4 | \rightarrow | | | |
| | | | 1 | | - | | _ | _ | 1 | \sqcup | | 44 | _ | | _ | _ | | $\perp \downarrow$ | \dashv | | | |
| | | | - | _ _ | | Ш | _ | \perp | 1 | | | \perp | \perp | | \perp | _ | | | 4 | | | |
| | | | - | \perp | | | \perp | \bot | \bot | | _ | $\dashv \dashv$ | _ | \perp | | \bot | | 11 | 4 | | | |
| | | | + | _ _ | | | _ | \perp | 4 | | _ | 11 | \perp | | | \bot | | 44 | 4 | | | |
| | | | + | | | | + | 4 | _ | | + | - - | 4 | - | | + | \sqcup | | | | | |
| | | | ╁ | - | ┿- | | + | | - | - | | + | \perp | | | + | | + | | | | |
| | | | +-1 | | +- | | | | +- | \vdash | + | + | + | | | | | - | - | | | |
| Possible Hazard Identification | | | Sample | o Disni | nsal_ | | | | 1_ | | | | | | | Д | | | Щ. | | | |
| Non-Hazard | Poison B | I | □ Re | • | | , } | D is | sposa | l By La | ab l | □ A | rchive Fo | or | | Month | | | be ass | | if samples are r | atained | |
| Turn Around Time Required | | | | 5/72 | 7 | | | | | s (Spec | | | | | | | | | | | | |
| | ays 🔲 21 Days | ther_ | | | | _ | f | <u>121</u> | | CA | [7] | 151 | | | | | | | | | | |
| 1. Relinquished By A A | | | 67 | Time /(| 50 | | _ { | pelve | Sec. | | 2 | IJ | <u>e</u> | | | | | | | 177/07 | Time /550 | |
| 2. Helinty stigd By | | Date 7 | ha | Time | 2:3 | | 2: Re | ceiye S | | 5 | <u>/</u> | | | _ | | | | | . [/ | ate 28/8 | Time つる | 40% |
| 3. Relinquished By | | Date | | Time | | | 3. Re | ceive | d By | | | <u>v</u> | | | | | | | | ale | Time | 263 |
| comments hold "Dup" Same | h. anc | 1 | | | 1 | <u> </u> | ne | - نو | | 4. | La | hu | | | • | - 1 | 1 5 | 6 44 | | . 6 | ~~~~? ?e \$. | _ |
| DISTRIBUTION: WHITE - Returned to Client with Report: | CANARY - Stays with | n the sample | : PINK | Field | DPY | , , | -ce | . <u> </u> | , (| <u>47</u> | rec: | - L - C | | | <u>rşt</u> | مد. | <u>, , , , , , , , , , , , , , , , , , , </u> | | A Q | | | |

Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB# >> 2 √ ? |
|--|--|
| Shipment ID | Strict Internal COC: YES NO |
| | Residual Chlorine Check: |
| | Radiation Check < 0.02 mR/hr: YES / NO |
| ACProject / Task | 1429555 |
| TATCD # OF SAMPLE | ESTRIP BLANK W # |
| SHIPPED BY FELEX | ATTACH SHIPPING TAGS |
| RECEIVED DATE / TIME: | <u>C,28,0)</u> D8:40 |
| | |
| COOLER TEMP 2 € 5.6°C (4+1-2°C | OK NO |
| Cooler Custody Seal intact YESANO NON | IE SEAL# |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) |
| SUBCONTRACT YES NO LAB_ : | SM # |
| COMMENTS: SAMPLE TIME | +1HR +2 HR +3 HR NONE |
| Sample received outside hold time | |
| Headspace in VOA vials | |
| Problems with bottle labels | · |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out a | ARRF, see reverse) |
| ▼ | |
| PRESERVATION CHECKED YES | NO NA Initials |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? Initials |

Date: 06/28/2007 Time: 12:07:15 STL Buffalo Sample Inventory

Page: 1 Rept: ANO383

| Job No: A07-7243 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 2 | | | Radiation Check: YES Cooler Temperature: 202.0°C Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO | | | 2.0°C | | | |
|---|--------------------------------------|------------------|---|--------------|------------------|------------|-----|--------------|-----|
| | | | | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| | 06/28/2007 08:40 06/28/2007 08:40 | | A7724301 A7724302 | Good Good | 2-11GA 2-11GA | PCBS 608 | | 0100 0100 | |

| | | | - 4 |
|-------------------|-----|----------|----------------------|
| | \) | | |
| Sample Custodian: | - | | 12 (2000) |
| sample custouran: | | <u> </u> | / ~ /20 / |

Analytical Report July Sampling Event

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-8384</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

08/15/2007

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPLE | D | RECEIVED | | |
|---------------|-------------------|--------|--------------|------|------------|-------|--|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE T | TME_ | DATE | TIME | |
| A7838401 | NTS-EW-0707 | WATER | 07/25/2007 1 | 4:30 | 07/26/2007 | 08:45 | |
| A7838402 | NTS-EW-0707 (DUP) | WATER | 07/25/2007 1 | 4:30 | 07/26/2007 | 08:45 | |

METHODS SUMMARY

Job#: <u>A07-8384</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER ANALYTICAL PARAMETER METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS CFR136 608PCB

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.

SDG NARRATIVE

Job#: A07-8384

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-8384

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C All samples were received in good condition.

GC Extractable Data

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R/ Kacalski

Project Manager

Date

Date: 08/15/2007

Requested Detection Limits < Lab PQL

Time: 16:10:07

Page: 1 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | <u>Unit</u> | Client DL | Lab POL |
|-----------------|---------------------------------|-----------------|--------------|------------|
| <u>Organics</u> | | | | |
| 608PCB | Aroclor 1016 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1221 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1232 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1242 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1248 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1254 | $\mathbf{UG/L}$ | 0.050 | 0.060 |
| 608PCB | Aroclor 1260 | UG/L | 0.050 | 0.060 |
| 608PCB | Total Polychlorinated Biphenyls | UG/L | 0.50 | 0.54 |

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | ANALYTICAL REQUIREMENTS | | | | | | | |
|-----------------------|-------------------------|--------------|-------------------------|-----------|-------------|--------|--------------|------------------|--|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | | |
| NTS-EW-0707 | A7838401 | - | ~ | - | CFR136 | - | - | - | | |
| NTS-EW-0707 (DUP) | A7838402 | - | - | - | CFR136 | - | - | - | | |

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|--------------------|------------------|
| NTS-EW-0707 | WATER | 07/25/2007 | 07/26/2007 | 07/28/2007 | 07/30/2007 |
| NTS-EW-0707 (DUP) | WATER | 07/25/2007 | 07/26/2007 | 07/28/200 7 | - |

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-0707 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0707 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| | | NTS-EW-0707 |
|--|---|-----------------------|
| Lab Name: <u>STL Buffalo</u> Contrac | t: | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: | |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>A7838401</u> |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: | 19A06133.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: | 07/25/2007 07/26/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: | 07/28/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: | <u>07/30/2007</u> |
| Injection Volume:1.00(uL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: | (Y/N) <u>N</u> |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 | 0.047 0.047 | U |
| 11141-16-5Aroclor 1232 | 0.047 | ⁻ |
| 53469-21-9Aroclor 1242 | 0.047 | U |
| 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 | 0.047 0.047 | U U |
| 11097-69-1Aroctor 1254 11096-82-5Aroctor 1260 | 0.047 | 1 1 |
| Total Polychlorinated Biphen | | ū |
| | ·, V···· | 1 - 1 |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab | Name: | STL Buffalo | | Contract: | | |
|-----|-------|-------------|-----------|--------------|--------------|--|
| Lab | Code: | RECNY | Case No.: | SAS No.: | SDG No.: | |

GC Column(1): <u>ZB-35</u> ID: <u>0.53</u> (mm)

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT |
|---|-----------------------------|---------------|--------|----------------|--------|---------|------------------|--------|------------|--------|-----|
| | 3#2627 4== 222777222 | ======== | ====== | ====== | ====== | ==23=22 | 3##=# = = | ====== | ====== | ====== | 322 |
| 1 | Matrix Spike Blank | A7B1175301 | 106 | 62 | | | | | | | 0 |
| | Matrix Spike Blk Dup | A7B1175302 | 56 | 90 | j | | | | | | 0 |
| | Method Blank | A7B1175303 | 72 | 72 | | - | | | i 1 | | 0 |
| 4 | NTS-EH-0707 | A7838401 | 80 | 60 | | 1 | | | | ľ | 0 |
| | L | l | | l | L | L | | Ĺ | | | |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene (26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab Sa | amp ID | : <u>A7B11753</u> (| <u>)3</u> |
|---|--------------------------|-------------------------------|--------------------|----------------------|----------|----------------------|-----------|
| Lab Code: <u>RECNY</u> Case 1 | <i>No.</i> : | SAS No.: | | SI | Œ No. | : | |
| Matrix Spike - Client Sam | ple No.: <u>Method F</u> | Blank | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.696 1.14 | 70 114 | 58 - 141 56 - 144 | 1 | · | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 | RPD | C LIMITS REC. | 1 |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.782 | 78 93 | 11 20 | 30 30 | 58 - 141 56 - 144 | |
| # Column to be used to flat * Values outside of QC lin RPD:0 out of2 or Spike recovery:0 out | mits utside limits | | n asteris | k | | | _1_ |
| Comments: | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No. Method Blank Lab Name: <u>STL Buffalo</u> Contract: Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: Lab Sample ID: A7B1175303 Lab File ID: 19A06126.TX0 Matrix: (soil/water) WATER Extraction: SEPF Sulfur Cleanup: (Y/N): Y Date Extracted: <u>07/28/2007</u> Date Analyzed (2): Date Analyzed (1): <u>07/30/2007</u> Time Analyzed (1): <u>13:02</u> Time Analyzed (2): _____ Instrument ID (1): <u>HP5890-19</u> Instrument ID (2): GC Column (1): <u>ZB-35</u> Dia: <u>0.53</u>(mm) GC Column (2): _____ Dia: ____(mm) THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD: CLIENT LAB DATE DATE ANALYZED 2 SAMPLE NO. SAMPLE ID ANALYZED 1 1 Matrix Spike Blank A7B1175301 07/30/2007 2 Matrix Spike Blk Dup A7B1175302 07/30/2007 3 NTS-EW-0707 A7838401 07/30/2007

| Comments: | | | • |
|-----------|-----------------|------|---|
| | | | |
| | | | |
| | | | |
| | | | |

CAMP DRESSER AND MCKEE NIACARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Tab Name, CTT Diffelo | Method Blank |
|--|---|
| Lab Name: <u>STL Buffalo</u> Contrac | il: |
| Lab Code: RECNY Case No.: SAS No.: | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7B1175303 |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: 19A06126.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: <u>07/28/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>07/30/2007</u> |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |
| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPL | ED | RECEIVE | ED . |
|---------------|-------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7838401 | NTS-EW-0707 | WATER | 07/25/2007 | 14:30 | 07/26/2007 | 08:45 |
| A7838402 | NTS-EW-0707 (DUP) | WATER | 07/25/2007 | 14:30 | 07/26/2007 | 08:45 |

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.

METHODS SUMMARY

Job#: <u>A07-8384</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL METHOD

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

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SDG NARRATIVE

Job#: A07-8384

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-8384

Sample Cooler(s) were received at the following temperature(s); 602.0 °C All samples were received in good condition.

GC Extractable Data

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

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"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

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.

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | * | | | |
|--|--------------------|--------------|---------------|---------------------|----------|------------------|--------------------------|------------------|-------------------|----------|-----------------|----------|----------------------|--------------------|--|--------|----------------------------|---|
| COM | | Project N | fanager | M | ×XI | r L | 11 | les | 1 | | | | Date_ | 7/2 1 | 107 | C | hain of Custody Au 2987 | 62 |
| Address / Beneral Motres 1 | Onie | Telephor | | er (Area | | | | ?() | -46 | 33 | Ster | ') | Lab N | | | | Page | of |
| Silvarise Signer Zip | 13206 | Site Con | act () | e dec | | Lab Cor | ntact | | | | 3 | An: | alysis (/ e space | ttach li is nee | st if ded) | | | |
| Michaelace and Sa Copletice | | CarrierM | /aybill Ni | umber 1 | Ċ | GLUS | \mathcal{L} | ldice | ati | <u>م</u> | 事; | | | | | | Special In | nstructions/ |
| Contract/Purchase Order/Quote No. | | | <i>N</i> | fatrix | | _ | Conta Prese | ainer: ervati | es Ves | 800 | 800 | | | | | | Condition: | s of Receipt |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Aqueous | Sed. | | Unpres. H2SO4 | HNO3 | Ę. | ZPAC/ NBOH | | 47 | | | | | | | |
| NTS- 2W-0707 | 7/25/07 1 | Y30 | X | | _ | 2 | | | | Χ | 1 | | | | | \bot | detection | limity, os |
| NTS-EW-0707 (DUP) | 7/25/07 / | 730 | 4 | - | | 2 | | | ++ | +- | X | + | - | | +++ | | _ | 7 |
| | | | + | - | H | + | $\left\{ \cdot \right\}$ | + | ++ | + | $\vdash \vdash$ | + | | | | + | | |
| | | | ++ | + | | + | | \top | $\dagger \dagger$ | +- | ++ | | | _ | | 1 | <u> </u> | |
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| | | | \dashv | | | | | + | | + | | - | | | | + | <u> </u> | |
| | | | ++ | | \Box | + | | | | \dashv | | | | | | + | | |
| | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification Non-Hazard | ☐ Poison B ☐ | Unknown | | e Dispos turn To | | <u> </u> | r Diamar | sal By | ا جه، | ٦ ، | hive Fo | | | | fee may be nger than 1 i | | sed if samples are r | etained |
| Turn Around Time Required | | CIRTIOWI | ILL NO | 4 - | | | | | nts (Spec | | nive ro | <u> </u> | IVION | ins ioi | igoi (nari i i | namy | | |
| 24 Hours 48 Hours 7 Days 14 Da | ys 🗌 21 Days | M_Othe | r | STP | <u> </u> | | | | ASV. | <u> </u> | by T | 7/2 | | | | | · | |
| 1. Relinquished 6) | · | Date | 07 | Time | 35 | (| Pecejv Z | \propto | W | | | | | | |] | 7 45 OT | 1635 |
| 2. Relinguistifa Bud | | Date 7/2% | 107 | 178 | 73 | o 🗋 | Receiv | ¥ | | /(/ | <i></i> _ | | | · | | | Date 326/05 | 7 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 |
| 3. Relinquished By | - | Pate | / | Time | | 3. | Recēiv | ved By | ' | | | • 5 | ۍ د | · · | | | Date | Time |
| Hold "DIP" Sample | analuza | anle | 10 | 1 f | hu | è | 0 | le | hech | ` | /n | an | SIM | e) | San | 26 | | |
| DISTRIBUTION: WHITE - Returned to Client with Report: | CANARY - Stays wil | th the Sampl | e; PINK | ✓ Field (| Сору | | | | | | | | / | | | / | | |



STL Buffalo

Doc. Login/ARRF - Side A

Rev 3 10/17/2005

| SAMPLE LOGIN | JOB# | 8384 | | | | | | |
|--|-------------------------|----------------|--|--|--|--|--|--|
| Shipment ID | Strict Internal COC: | YES (NO | | | | | | |
| | Residual Chlorine Check | : 🗆 | | | | | | |
| | Radiation Check <0.02 m | R/hr: YES / NO | | | | | | |
| ACProject / Task | NYJAS595 | | | | | | | |
| TAT SBD/CD # OF SAMPL | | \sim | | | | | | |
| SHIPPED BY Fedor | ATTACH SHIPPIN | NG TAGS | | | | | | |
| RECEIVED DATE / TIME: |) 120,07 | 08:45 | | | | | | |
| | | - | | | | | | |
| COOLER TEMP <u>60 5.</u> ℃ (4+/-2 | °C) OK | NO | | | | | | |
| Cooler Custody Seal intact? YES/NO NONE SEAL# | | | | | | | | |
| If NO to cooler temp or seal, PM notified? YES | (PN | /I Name) | | | | | | |
| SUBCONTRACT YES NO LAB | SM# | | | | | | | |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 H | R NONE | | | | | | |
| Sample received outside hold time | | | | | | | | |
| Headspace in VOA vials | <u> </u> | | | | | | | |
| Problems with bottle labels | | | | | | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out ARRF, see reverse) | | | | | | | | |
| | | | | | | | | |
| ARE SAMPLE DATES AND TIMES CORRECT? | I | nitials | | | | | | |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | IED? | nitials | | | | | | |
| Temp.Cert.Loss: Massachusetts Drinking Water: Ni | trate by Method 353.2 | | | | | | | |

Temp. Cert.Loss: New York State Drinking Water: Orthophosphate by Method 365.2

Date: 07/26/2007 Time: 15:20:34

STL Buffalo Sample Inventory

Page: Rept: AN0383

Job No: A07-8384 Cooler Temperature: 602.0°C Radiation Check: YES Client: Camp Dresser and Mckee Custody Seal: YES Project: NY7A9595 Chain of Custody: YES Sample Tags: NO SDG: Sample Tag Numbers: NO Case: SMO No: SMO Forms: NO No. Samps: 2 CLSIS: NO Pres tog Code PН Receive Client Sample ID Lab ID Condition **Bottles** Parameters Lab Sample 07/25/2007 14:30 07/26/2007 08:45 NTS-EW-0707 A7838401 608 PCBS RECNY 0100 Good 2-1LGA 608 PCBS (EXTR+HOLD) 0100

Good

2-11GA

| | N. | 100 KM | | |
|-------------------|----|------------|----------------------------------|---------|
| Sample Custodian: | | 2/2/07/287 | Analytical Services Coordinator: | /20 |

A7838402

07/25/2007 14:30 07/26/2007 08:45 NTS-EW-0707 (DUP)

RECNY

Analytical Report August Sampling Event

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-9767

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

10/01/2007

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.

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | | SAMPI | ED | RECEIVE | I D |
|---------------|---------------|-------|---------------|------------|-------|------------|------------|
| LAB SAMPLE ID | CLIENT SAMP | LE ID | <u>MATRIX</u> | | TIME | | TIME |
| A7976703 | NTS-EW-0807 | | WATER | 08/29/2007 | 07:10 | 08/30/2007 | 10:30 |
| A7976704 | NTS-EW-0807 (| (DUP) | WATER | 08/29/2007 | 07:10 | 08/30/2007 | 10:30 |
| A7976701 | NTS-IW-0807 | | WATER | 08/29/2007 | 07:00 | 08/30/2007 | 10:30 |
| A7976702 | NTS-IW-0807 (| (DUP) | WATER | 08/29/2007 | 07:00 | 08/30/2007 | 10:30 |

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METHODS SUMMARY

Job#: A07-9767

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: A07-9767

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-9767

Sample Cooler(s) were received at the following temperature(s); 2.0 °C LAB: Please filter samples 02 and 04 prior to extraction.

GC Extractable Data

For method 608, the relative percent difference between batch A7B13783 Matrix Spike Blank and the Matrix Spike Blank duplicate exceed quality control limits for Aroclor 1016, though all individual analyte recoveries are compliant, no action necessary.

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

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.

For method 608, Aroclor 1260 exhibited a dcreased bias and a % difference result greater than 15% in an associated initial continuing calibration verification on the primary quantification channel (B). No corrective action was taken, the confirmatory column continuing calibration verification response is 2.6% D, and all field samples are non-detect for this analyte.

Due to the earlier extraction of several samples demonstrating high level PCB concentrations, low level laboratory cantamination of both the samples and blanks was evident in the chromatograms for the initial extraction of samples 01 and 03 reported in this data package. Re-extraction was performed and provided non-detect PCB results for both the samples and blanks.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

10/1/07

Date

Date: 10/01/2007

Requested Reporting Limits < Lab PQL

Page: Rept: AN1520

Time: 09:13:00

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 RL | Lab POL |
|--|--|--|---|--|
| Organics | | | | |
| 608PCB 608PCB 608PCB 608PCB 608PCB 608PCB 608PCB | Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 | UG/L UG/L UG/L UG/L UG/L UG/L UG/L | 0.050 0.050 0.050 0.050 0.050 0.050 0.050 | 0.060 0.060 0.060 0.060 0.060 0.060 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | |
| NTS-EW-0807 | A7976703 | - | - | <u>-</u> | CFR136 | - | | <u>-</u> | |
| NTS-EW-0807 (DUP) | A7976704 | - | _ | - | CFR136 | - | | - | |
| NTS-IW-0807 | A7976701 | - | _ | <u>-</u> | CFR136 | - | | _ | |
| NTS-IW-0807 (DUP) | A7976702 | - | ~ | - | CFR136 | | • | | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-0807 | WATER | 08/29/2007 | 08/30/2007 | 09/04/2007 | 09/05/2007 |
| NTS-EW-0807 (DUP) | WATER | 08/29/2007 | 08/30/2007 | 09/04-19/2007 | 09/05-21/2007 |
| NTS-IW-0807 | WATER | 08/29/2007 | 08/30/2007 | 09/04/2007 | 09/05/2007 |
| NTS-IW-0807 (DUP) | WATER | 08/29/2007 | 08/30/2007 | 09/04-19/2007 | 09/05-21/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-0807 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0807 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-IW-0807 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-IW-0807 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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/Arcclor 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.
- 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,

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Tab Name (CDI D. 65-1) | NTS-EW-0807 |
|--|--|
| Lab Name: STL Buffalo Contra | ACC: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7976703</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>7B40093.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 08/29/2007 08/30/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/04/2007 |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 09/05/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.047 U |
| 11104-28-2Aroclor 1221 | 0.047 U 0.047 U |
| 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 | 0.047 |
| 12672-29-6Aroclor 1248 | 0.047 U |
| 11097-69-1Aroclor 1254 | |
| 11096-82-5Aroclor 1260 | 0.047 U |
| Total Polychlorinated Biphe | nvls 0.47 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contrac | t: |
|--|---|
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7976704</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: 7840095.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>08/29/2007</u> <u>08/30/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/04/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 09/05/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |
| Total Polychlorinated Biphen | , , , _ , _ , _ , _ , _ , _ , _ , _ , _ |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M MEIHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

NIS-EW-0807 (DUP) Lab Name: STL Buffalo Contract: _____ Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____ Lab Sample ID: A7976704RE Matrix: (soil/water) WATER Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7B41120.TX0 % Moisture: ____ decanted: (Y/N) N Date Samp/Recv: 08/29/2007 08/30/2007 Date Extracted: 09/19/2007 Extraction: (SepF/Cont/Sonc/Soxh): SEPF Concentrated Extract Volume: 2000 (uL) Date Analyzed: 09/21/2007 Injection Volume: 1.00 (uL) Dilution Factor: ____1.00 GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> 0 12674-11-2----Aroclor 1016 0.047 U 11104-28-2----Aroclor 1221 U 0.047 11141-16-5----Aroclor 1232 0.047 U 53469-21-9----Aroclor 1242 0.047 U 12672-29-6----Aroclor 1248 0.047 U 11097-69-1----Aroclor 1254 U 0.047 11096-82-5----Aroclor 1260 0.047 U -----Total Polychlorinated Biphenyls Ψ 0.47

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| | NTS-IW-0807 [|
|--|---|
| Lab Name: <u>STL Buffalo</u> Contrac | t: |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7976701</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>7B40092.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 08/29/2007 08/30/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/04/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 09/05/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.047 U 0.047 U 0.15 0.047 U 0.047 U 0.047 U |
| Total Polychlorinated Biphen | ylsU 0.47 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contract | t: |
|--|--|
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7976702</u> |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: 7B40094.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 08/29/2007 08/30/200 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/04/2007 |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 09/05/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.047 U 0.047 U 0.047 U |
| Total Polychlorinated Bipheny | ylsU |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

ANALYSIS DATA SHEET

| NTS-IW-0807 (DUP) | |
|---|--|
| | |
| _ SDG No.: | |
| Lab Sample ID: A7976702RE | |
| Lab File ID: <u>7B41119.TX0</u> | |
| Date Samp/Recv: 08/29/2007 08/30/ | 2007 |
| Date Extracted: 09/19/2007 | |
| Date Analyzed: 09/21/2007 | |
| Dilution Factor:1.00 | |
| Sulfur Cleanup: (Y/N) N | |
| ENIRATION UNITS: /L or ug/Kg) <u>UG/L</u> Q | |
| 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U | |
| | SDG No.: Lab Sample ID: A7976702RE Lab File ID: 7B41119.TX0 Date Samp/Recv: 08/29/2007 08/30/ Date Extracted: 09/19/2007 Date Analyzed: 09/21/2007 Dilution Factor: 1.00 Sulfur Cleanup: (Y/N) N SWIRATION UNITS: //L or ug/Kg) UG/L |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: ST | <u>L Buffalo</u> | | Contract: _ | | |
|---------------------|-------------------|----------------------|-------------|--------------|--|
| Lab Code: <u>RE</u> | CNY Cas | e No.: | SAS No.: | SDG No.: | |
| GC Column(1) | : <u>Z8-35 30</u> | ID: <u>0.53</u> (mm) | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT |
|----|---|---|--------|----------------|--------|---------|--------|--------|---------|--------|-----|
| | **===================================== | ======================================= | ====== | #25### | *===== | ======= | 33222F | ====== | ======= | 222222 | === |
| 1 | Matrix Spike Blank | A7B1378301 | 64 | 79 | { | | | | | | 0 |
| 2 | Matrix Spike Blank | A7B1458401 | 66 | 110 | | | | | | | 0 |
| 3 | Matrix Spike Blk Dup | A7B1378302 | 74 | 101 | | | | | | | 0 |
| 4 | Matrix Spike Blk Dup | A7B145B402 | 62 | 105 | | | | | | | 0 |
| 5 | Method Blank | A7B1378303 | 67 | 82 | | | | | | | 0 |
| 6 | Method Blank | A7B1458403 | 69 | 103 | | | | | | | 0 |
| 7 | NTS-EW-0807 | A7976703 | 78 | 82 | | | | | | | 0 |
| 8 | NTS-EW-0807 (DUP) | A7976704 | 72 | 78 | | | | | | | 0 |
| 9 | NTS-EW-0807 (DUP) | A7976704RE | 90 | 112 | | | | | | | 0 |
| 10 | NTS-IW-0807 | A7976701 | 72 | 85 | | | | | | | 0 |
| 11 | NTS-IW-0807 (DUP) | A7976702 | 60 | 77 | | | | | | | 0 |
| 12 | NTS-IW-0807 (DUP) | A7976702RE | 64 | 101 | | | | | | | 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab Sa | amp ID | : <u>A7B1378303</u> |
|--|-------------------------|-------------------------------|--------------------|----------------------|----------|----------------------|
| Lab Code: <u>RECNY</u> Case N | o.: | SAS No.: | | SI | Œ No. | : |
| Matrix Spike - Client Samp | le No.: <u>Method B</u> | <u>llank</u> | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.793 0.826 | 79 83 | 58 - 141 56 - 144 | . | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | | RPD | C LIMITS REC. |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 1.21 0.965 | 122 96 | 43 * | 30 30 | 58 - 141 56 - 144 |
| # Column to be used to flag * Values outside of QC lim RPD:1 out of2 out Spike recovery:0 out of | its tside limits | | n asteris | k | | |
| Cormonta | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: STL Buffalo | | Contract: | | Lab Sa | amp ID | : <u>A7B14584</u> | <u>03</u> |
|---|-------------------------|-------------------------------|--------------------|----------------------|--------|----------------------|-----------|
| Lab Code: RECNY Case No | D.: | SAS No.: | . | SI | ж. | : | |
| Matrix Spike - Client Samp | le No.: <u>Method B</u> | lank | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | | + | | |
| Aroclor 1016 Aroclor 1260 | 1.00 | 1.28 0.764 | 128 76 | 58 - 141 56 - 144 | . | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 | RPD | C LIMITS | + |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 1.02 0.830 | 102 83 | 23 9 | | 58 - 141 56 - 144 | |
| # Column to be used to flag * Values outside of QC lim RPD:0 out of2 out Spike recovery:0 out of | its :side limits | | n asteris | k | | | |

Comments:

Client No.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Method Blank Lab Name: STL Buffalo Contract: _____ Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____ Lab Sample ID: <u>A7B1378303</u> Lab File ID: 7B40088.TX0 Matrix: (soil/water) WATER Extraction: <u>SEPF</u> Sulfur Cleanup: (Y/N): Y Date Extracted: 09/04/2007 Date Analyzed (1): <u>09/05/2007</u> Date Analyzed (2): _____ Time Analyzed (2): ____ Time Analyzed (1): <u>11:27</u> Instrument ID (1): <u>HP6890-7</u>____ Instrument ID (2): _____ GC Column (1): ZB-35 30 Dia: 0.53 (mm) GC Column (2): _____ Dia: ____ (mm) THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD: CLIENT LAB DATE DATE SAMPLE NO. SAMPLE ID ANALYZED 1 ANALYZED 2 Matrix Spike Blank 09/05/2007 1 A7B1378301 Matrix Spike Blk Dup 09/05/2007 2 A7B1378302 09/05/2007 3 NTS-EW-0807 A7976703 4 NTS-EW-0807 (DUP) A7976704 09/05/2007 09/05/2007 5 NTS-IW-0807 A7976701 6 09/05/2007 NTS-IW-0807 (DUP) A7976702

| Comments: | |
|-----------|--|
| | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Method Blank |
|--|
| t: |
| SDG No.: |
| Lab Sample ID: <u>A7B1378303</u> |
| Lab File ID: <u>7B40088.TX0</u> |
| Date Samp/Recv: |
| Date Extracted: 09/04/2007 |
| Date Analyzed: 09/05/2007 |
| Dilution Factor:1.00 |
| Sulfur Cleanup: (Y/N) Y |
| CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |
| |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

| Lab Name: | STL Buffalo | Contract: _ | • | wethod Blank | |
|------------------|--|--|--|---------------------------------------|------|
| Lab Code: | RECNY Case No.: | SAS No. | : SI | DG No.: | |
| Lab Sample | ID: <u>A7B1458403</u> | Lab | File ID: <u>7B41</u> | 118.TX0 | |
| Matrix: (s | oil/water) <u>WATER</u> | Extr | action: | SEPF | |
| Sulfur Cle | eanup: (Y/N): <u>Y</u> | Date | Extracted: | 09/19/2007 | |
| Date Analy | zed (1): <u>09/21/2007</u> | Date | Analyzed (2) | • | |
| Time Analy | zed (1): <u>10:45</u> | Time | Analyzed (2) | • | |
| Instrument | ID (1): <u>HP6890-7</u> | Inst | rument ID (2) | | |
| GC Column | (1): <u>ZB-35 30</u> Dia: <u>0</u> | . <u>53</u> (mm) GC C | olumn (2): | Dia: | (mm) |
| I | HIS METHOD BLANK APPLIE | ES TO THE FOL | LOWING SAMPLES | S, MS AND MSD: | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | | ANALYZED 2 | |
| 1 2 3 4 | Matrix Spike Blank Matrix Spike Blk Dup | A7B1458401 A7B1458402 A7976704RE | 09/21/2007 09/21/2007 09/21/2007 | | |
| Comments: | | · | | · · · · · · · · · · · · · · · · · · · | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

ANALYSIS DATA SHEET

| Method Blank |
|--|
| •• |
| SDG No.: |
| Lab Sample ID: <u>A7B1458403</u> |
| Lab File ID: <u>7B41118.TX0</u> |
| Date Samp/Recv: |
| Date Extracted: 09/19/2007 |
| Date Analyzed: 09/21/2007 |
| Dilution Factor:1.00 |
| Sulfur Cleanup: (Y/N) \underline{Y} |
| CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.50 U 0.050 U 0 |
| |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | | SAMPI | ED | RECEIVED | | |
|---------------|-------------|--------|--------|------------|-------|------------|-------|--|
| LAB SAMPLE ID | CLIENT SAM | PLE ID | MATRIX | DATE | TIME | DATE | TIME | |
| A7976703 | NTS-EW-0807 | | WATER | 08/29/2007 | 07:10 | 08/30/2007 | 10:30 | |
| A7976704 | NTS-EW-0807 | (DUP) | WATER | 08/29/2007 | 07:10 | 08/30/2007 | 10:30 | |
| A7976701 | NTS-IW-0807 | | WATER | 08/29/2007 | 07:00 | 08/30/2007 | 10:30 | |
| A7976702 | NTS-IW-0807 | (DUP) | WATER | 08/29/2007 | 07:00 | 08/30/2007 | 10:30 | |

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.

METHODS SUMMARY

Job#: A07-9767

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: <u>A07-9767</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-9767

Sample Cooler(s) were received at the following temperature(s); 2.0 °C IAB: Please filter samples 02 and 04 prior to extraction.

GC Extractable Data

For method 608, the relative percent difference between batch A7B13783 Matrix Spike Blank and the Matrix Spike Blank duplicate exceed quality control limits for Aroclor 1016, though all individual analyte recoveries are compliant, no action necessary.

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

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.

For method 608, Aroclor 1260 exhibited a dcreased bias and a % difference result greater than 15% in an associated initial continuing calibration verification on the primary quantification channel (B). No corrective action was taken, the confirmatory column continuing calibration verification response is 2.6% D, and all field samples are non-detect for this analyte.

Due to the earlier extraction of several samples demonstrating high level PCB concentrations, low level laboratory cantamination of both the samples and blanks was evident in the chromatograms for the initial extraction of samples 01 and 03 reported in this data package. Re-extraction was performed and provided non-detect PCB results for both the samples and blanks.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jagon R. Kacalski Project Manager

Date

Rept: AN1520

Page:

Date: 10/01/2007 Time: 09:13:15

Requested Reporting Limits < Lab PQL

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | <u>Parameter</u> | <u> Unit</u> | Client RL | Lab POL |
|----------|------------------|--------------|--------------|------------|
| Organics | | | | |
| 608PCB | Aroclor 1016 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1221 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1232 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1242 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1248 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1254 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1260 | UG/L | 0.050 | 0.060 |

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | <u>. </u> | | · | |
|--|----------------|--------------------|--------------------|------------------------|---------------|-----------------|-------------------|--------------|------------|----------|--------------|----------------|--------------|----------|----------|---------------|--------|----------|-----------|--------------|--|--|-------------------|---------------|-----------------|
| Client | Projec | t Man | ager | 11 | , | | , , , | _ | | | | | | | | | le la | | / | | | CI | hain of Custody N | Imber | |
| СОМ | - | | | MX | 17/ | | <u>elle</u> | <u> </u> | | | | | | | | | 8/2 | | 0 7 | | | _ | <u> 2987</u> | <u>63</u> | |
| Address 1 Cenual Motors Price | 3 | 15 | 43 | | ea Co | 7 | • | 3 | 7 5 | -46 | 63- | -57 | 00 | | | La | b Nun | nber | | | | P | age | of | |
| City State Zip Code | Site C | ontac | <i>t</i> | | | Lab | Con | tact | | | | T | | | A | nalys | s (At | ach | list if | 7 | | | | | |
| Syracue 14. 14206 | Carrie | <u>n B</u> | equ. | ريم | 48 | Ш. | | | | | | _} | Т | 9 | <u></u> | re sp | ace i. | s nee | eaea T | ' | 1 | $\overline{}$ | 1 | | |
| Project Name and Location (State) | Carrie | r/Way | bill No | umbe | r | | \cap | , | | 1 | 4 | | _ | 4 | Ì | | | | | | | | | | |
| VG Millace and Son Free Cobleskell, N. | 1. chi | 70 | \mathcal{U}_{-} | 14 | ITEL | NR | 11 | VVIC | e (| _(_ | <u>(4</u> | _ | - | ŀ | | | - [| | | | | | | nstructions/ | |
| Contract/Purchase Order/Quote No. | | | M | latrix | • | | | Cont Pres | | | | | 608 | 3 | | | | | | | | | Condition | s of Receipt | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date | Time | ₹: | Aqueous | Sed. | Soil | Unpres. | H2S04 | HNO3 | HC. | NaOH | NaOH NaOH | | 20, | RA | | | | | | | | | l | | |
| NTS-1W-0307 8/29/07 | 0700 | $oldsymbol{\perp}$ | X | \bot | | 2 | | | | | _ | \downarrow | X | | | | | | <u> </u> | | L | | detection 1 | wit of o. | 05ppl |
| NTS-1W-0807 (OUP) | 0700 | | X | | | 2 | | | | | | | | X | | | | | 1 | L | | | | | |
| NTS EW- 0807 | 0710 | | X | | | 2 | | | | | | | X | | | | | | | | | | | | |
| NR-EW-0807 (DUP) | 0710 | | Y | | | 2 | | | | | | | | X | | | | | | | | | | | |
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| Possible Hazard Identification | | 15 | ampl | e Dis | posal | | | | | | | | | | - | | | | foe. | mayl | -) | | ed if samples are | retained | |
| (- · · · · · · · · · · · · · · · · · · | Unknow | m [|] Re | turn | To Clie | ent | | Dispo | | | | | Archi | ve Fo | | | Vonth | s lo | nger | than | 1 moi | nth) | os ir sampres are | | |
| Turn Around Time Required | ref . | | | Sπ | ١ | | ac | Requ | _ | | _ | cify) | | | | | | | | | | | | | |
| 24 Hours 48 Hours 7 Days 14 Days 21 Da | ys X,O | ther | ==: | Tim | | ==- | ., | Recei | | ή_ | ₽ | \ . | | | | | | | | | | <u> </u> | Date | Time | |
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| 2. Relinquisped By 1. | Date 8/ | 29/ | 67 | Tim | 81 | 30 | 2. F | Rede | Ved | | ^) | 1/2 | 1 | | | | | | | | | Į | Date 68-30-07 | Time 10:30 | 4/3 |
| 3. Relinquished By | Date | | <u>~_</u> | Tim | 16 | | | Recei | 196 | 9y / | | | | | | | | | | | | | Date | Time | 8 |
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| DISTRIBUTION: WHITE - Returned to Client with Report CANARY - Stays | with the \$a. | ple; | <u>i</u> ∿ PINK | س ا <u>ن</u> ۲۰ Fid | ld Cop | \$ - | <u> </u> | عد | , , | ` | _0 | L | <u>c. e.</u> | .776 | <u> </u> | rn | | <u> </u> | in | رن | | 10 | mpo. | ٧٠٠ | |



Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB# 5>6> | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| Shipment ID | Strict Internal COC: YES NO | | | | | | | | |
| | Residual Chlorine Check: | | | | | | | | |
| | Radiation Check < 0.02 mR/hr: YES / NO | | | | | | | | |
| ACProject / Task | N/3A95951 | | | | | | | | |
| TAT S BD/ CD # OF SAMPLES TRIP BLANK Y/N # | | | | | | | | | |
| SHIPPED BY | ATTACH SHIPPING TAGS | | | | | | | | |
| RECEIVED DATE / TIME: | 02:01 (0,02,8 | | | | | | | | |
| | | | | | | | | | |
| COOLER TEMP 2. O °C (4+/-2°C) OK NO | | | | | | | | | |
| Cooler Custody Seal intact? KES/NO NO | NE SEAL# | | | | | | | | |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) | | | | | | | | |
| SUBCONTRACT YESINO LAB | SM# | | | | | | | | |
| | +1HR +2 HR +3 HR NONE | | | | | | | | |
| Sample received outside hold time | | | | | | | | | |
| Headspace in VOA vials | | | | | | | | | |
| Problems with bottle labels | | | | | | | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out ARRF, see reverse) | | | | | | | | | |
| • | | | | | | | | | |
| PRESERVATION CHECKED YES | NO NA Initials | | | | | | | | |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials | | | | | | | | |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | IED? Initials | | | | | | | | |

Date: 08/30/2007

STL Buffalo Sample Inventory Page:

Rept: ANO383

| Job No: A07-9767 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4 | | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: YES tody: YES Tags: NO | Cooler Temperature: 2.0°C | | | | |
|---|------------------|-------------------|--|---|--------------------------------------|---|----------------------------------|------------------------------|------------|--|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres Code | l og PH | |
| 08/29/2007 07:00 08/29/2007 07:10 | 08/30/2007 10:30 | NTS-1W-0807 (DUP) | A7976701 A7976702 A7976703 A7976704 | Good Good Good Good | 2-11GA 2-11GA 2-11GA 2-11GA | PCBS 608 PCBS (EXTRACT AND HOLD) PCBS 608 PCBS (EXTRACT AND HOLD) | RECNY RECNY RECNY RECNY | 0100 0100 0100 0100 | - | |

| | | 2 | 65 | (S) |
|--------|------------|-------------|---------|-----|
| Sample | Custodian: | \subseteq | /-> /20 | |

608 PCB Data

Analytical Report September Sampling Event

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-A557

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

09/27/2007

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.

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPLED | | RECEIVI | ED CE |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7A55701 | NB-EW-0907 | WATER | 09/18/2007 | 07:00 | 09/19/2007 | 16:30 |
| A7A55702 | NB-EW-0907 (DUP) | WATER | 09/18/2007 | 07:00 | 09/19/2007 | 16:30 |

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METHODS SUMMARY

Job#: <u>A07-A557</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

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SDG NARRATIVE

Job#: A07-A557

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-A557

Sample Cooler(s) were received at the following temperature(s); $2.0~^{\circ}$ C Please hold DUP samples for analysis.

GC Extractable 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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

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.

Date: 09/27/2007 Time: 14:36:57

Requested Reporting Limits < Lab PQL

Page:

Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | <u>Unit</u> | Client RL | Lab POL |
|--|---|--|--|---|
| Organics | | | | |
| 608PCB 608PCB 608PCB 608PCB 608PCB | Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 | UG/L UG/L UG/L UG/L UG/L UG/L | 0.050 0.050 0.050 0.050 0.050 0.050 | 0.060 0.060 0.060 0.060 0.060 |
| 608PCB | Aroclor 1260 | UG/L | 0.050 | 0.060 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NB-EW-0907 | A7A55701 | - | - | · | CFR136 | _ | | - |
| NB-EW-0907(DUP) | A7A55702 | | - | | CFR136 | - | _ | - |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NB-EW-0907 | WATER | 09/18/2007 | 09/19/2007 | 09/22/2007 | 09/24/2007 |
| NB-EW-0907(DUP) | WATER | 09/18/2007 | 09/19/2007 | 09/22/2007 | 09/24/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NB-EW-0907 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NB-EW-0907(DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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/Arocior 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 aidol-condensation product.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contrac | ot: |
|--|---|
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7A55701 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A05192.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 09/18/2007 09/19/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/22/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 09/24/2007 |
| Injection Volume: 1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |
| Total Polychlorinated Bipher | nvls 0.47 U |

CAMP DRESSER AND MCKEE NIAGARA MOHANK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | | | Contract: | | | |
|------------------------------|------|-------|----------|-----------|-------------|----------|--|
| Lab Code: <u>RECNY</u> | Case | No.: | | SAS No.: | ****** | SDG No.: | |
| GC Column(1): <u>ZB-35</u> | _ | 1D: 0 | .53 (mm) | | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT TUO |
|---|----------------------|---------------|--------|----------------|--------|--------|---------|-------|--------|--------|------------|
| | ****** | ========= | ====== | ====== | ====== | 225555 | ##=#### | ===== | ====== | 222222 | === |
| 1 | Matrix Spike Blank | A7B1482801 | 75 | 103 | | | | | | l | 0 |
| 2 | Matrix Spike Blk Dup | A7B1482802 | 82 | 98 | | | | | | | 1 0 l |
| | Method Blank | A7B1482803 | 82 | 80 | | i | | | | } . | 101 |
| 4 | NB-EW-0907 | A7A55701 | 93 | 74 | | | | | | | o |
| | | | 1 | ' | | | | | | | 1 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: SIL Buffalo | Contract: | | Lab Samp ID: <u>A7B1482803</u> | | | | |
|---|------------------------------------|-------------------------------|--------------------------------|----------------------|----------|----------------------|---|
| Lab Code: RECNY Case No | SAS No.: | SDG No.: | | | | | |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | lank | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 | 0.974 1.01 | 97 101 | 58 - 141 56 - 144 | i | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | % RPD # | RPD | C LIMITS REC. | + |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 1.21 | 121 101 | 22 0 | 30 30 | 58 - 141 56 - 144 | - |
| # Column to be used to flag * Values outside of QC limi | - | PD values with ar | n asteris | k | | | • |
| RPD:0 out of2 out of0 out of0 out of0 out of0 | side limits of <u>4</u> outside | limits | | | • | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

METHOD 608 - POLYCHLORINATED BIPHENYLS

METHOD BLANK SUMMARY

Client No.

| Lab Name: | STL Buffalo | Contract: | | Method Blank | |
|-------------|--|----------------------|----------------------|--------------------|------|
| | | | | DG N- | |
| Lab Code: | RECNY Case No.: | SAS No. | : Si | DG No.: | |
| Lab Sample | : ID: <u>A7B1482803</u> | Lab | File ID: <u>12A0</u> | 5191.TX0 | |
| Matrix: (s | oil/water) <u>WATER</u> | Extr | action: | <u>SEPF</u> | |
| Sulfur Cle | eanup: (Y/N): <u>Y</u> | Date | Extracted: | 09/22/2007 | |
| Date Analy | zed (1): <u>09/24/2007</u> | Date | Analyzed (2) | : | |
| Time Analy | zed (1): <u>14:08</u> | Time | Analyzed (2) | : | |
| Instrument | : ID (1): <u>HP5890-12</u> | Inst | rument ID (2) | : | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | <u>.53</u> (mm) GC C | olumn (2): | Dia: _ | (mm) |
| r | THIS METHOD BLANK APPLIE | ES TO THE FOL | LOWING SAMPLES | s, ms and msd: | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | 1 | DATE ANALYZED 2 | |
| 1 2 3 | Matrix Spike Blank Matrix Spike Blk Dup NB-EW-0907 | | 09/24/2007 | | |
| Comments: | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contrac | Method Blank |
|--|--|
| Contract Contract | ••• |
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A781482803</u> |
| Sample wt/vol: <u>1000.00</u> (g/mL) <u>ML</u> | Lab File ID: 12A05191.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/22/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 09/24/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) \underline{Y} |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 | 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |
| 11096-82-5Aroclor 1260Total Polychlorinated Biphen | 0.050 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPLED | | RECEIV | 3D |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7A55701 | NB-EW-0907 | WATER | 09/18/2007 | 07:00 | 09/19/2007 | 16:30 |
| A7A55702 | NB-EW-0907 (DUP) | WATER | 09/18/2007 | 07:00 | 09/19/2007 | 16:30 |

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.

METHODS SUMMARY

Job#: A07-A557

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-A557</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-A557

Sample Cooler(s) were received at the following temperature(s); 2.0 °C Please hold DUP samples for analysis.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

nate

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|------------|------------------|-----------------|--------------------|-------------|------------------|-------------|--|--|-------------------------|------------------|---|-------------|--|----------------|--------------------|--|-------------|----------------------------|------------------------------|--|
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| Project Name and Location (State) | -d- 00 0V | Carner | vvayı | oni Num | Der I a | Ր. | | . C. | | 1 | 4. | | 3 | - | |]] | - 1 | | 1] | | | , |
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| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | ₹ | Aqueou Sed. | Į į | | Unpres. H2SO4 | HWO3 | Ş | NaOH | ₹2 2 | Dr.A | 12 | - | | | | | | | | |
| | 0/1/- | | ` | | + % | |] [| +- | - | | NZ | | += | + | | ╅┪ | | + + | ╅ | 111 | | |
| NB-EW-0907 | 9/18/07 | סטרט | | X | | | <u> -</u> | | <u> </u> | Щ | | X | | | | 11 | | | \perp | detecten | Sunt of | 105/ |
| NB-EW-0907 (DUP) | 9/18/07 0 | TW | | \mathbf{x} | | 1 | 2 | | | | | | X | | | | | | 1 1 | | | • • • |
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| Possible Hazard Identification | , | - | ı | ample C | • | | | _ | | - | | | | | | | | | | d if samples are | retained | |
| Non-Hazard Flammable Skin Irritant C | Poison B | Unknown | <u>, </u> | Retur | n To C | lient | <u>برا</u> | Disp | osal l | By La | <u> </u> | ☐ Arc | hive F | or | Mo | nths. | longer | than 1 m | onth) | | | |
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| - Charles I King to | | Date 9 | 8/o | 7 (| ime 29: | <u>30</u> | | (| _ | \leq | | \mathcal{L} | // | <u> </u> | | | | | | 7/18/07 | | 0 |
| 2. Relinquisher By | | 9/11 | | | ime 18 | 32 | , 2: | Rece | air gold | 2 | | 1 | | | | | | | | Dalle 3 <i>9-19-</i> 07 | Time 16:30 | 2 2 |
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| Lord "Dr" Sampl | s - 01 | ralin | . <i>l</i> | 01 | li | 1 _~ | щ | _} | her | ر | ù | C | lit | tel | <u>. </u> | <u> </u> | ay | the | 0 | Samo (| , | <u>. </u> |
| DISTRIBUTION: WHITE - Returned to Client with Report: C | ANARY - Stays wi | th the Sam | e: | PINK - F | iela C | ору | U | | | | | | | | | | 7 | : | | 7 | | |



Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB # A 557 |
|--|---------------------------------------|
| Shipment ID | Strict Internal COC: YES / NO |
| | Residual Chlorine Check: |
| | Radiation Check <0.02 mR/hr: YES / NO |
| ACProject / Task | |
| TAT 15 BD/CD # OF SAMPLE | ES Z TRIP BLANK YIN # |
| SHIPPED BY COURTER | ATTACH SHIPPING TAGS |
| RECEIVED DATE / TIME: | 9,19,11 16:50 |
| COOLER TEMP 2 °C (4+/-2°C | OK NO |
| Cooler Custody Seal intact? YES/NO NON | SEAL# |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) |
| SUBCONTRACT YES/NO LAB | SM# |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE |
| Sample received outside hold time | |
| Headspace in VOA vials | |
| Problems with bottle labels | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out | ARRF, see reverse) |
| | |
| PRESERVATION CHECKED YES | NO NA/ Initials |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? Initials |
| Temp.Cert.Loss: | |

ate: 09/19/2007 ime: 20:13:55

STL Buffalo Sample Inventory Page: 1 Rept: AN0383

| Job No: AO7-A Client: Camp Project: NY7A9 SDG: Case: SMO No: No. Samps: 2 | Dresser and Mckee | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: NO tody: YES Tags: NO | Cooler Temperature: | 2.0°C | | |
|---|--------------------------------------|------------------|----------------------|---|-----------------------------------|---------------------------|-------|--------------|-----|
| |] | | . | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| | 09/19/2007 16:30 09/19/2007 16:30 | | A7A55701 A7A55702 | Good Good | 2-11GA 2-11GA | PCBS PCB (EX AND HOLD) | | 0100 0100 | |

| | M | 919 | 8 |
|-----------------|------|------|---------------|
| ple Custodian:_ | | 1/1/ | /20 <i>U/</i> |

Analytical Services Coordinator: ______/ _/20

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-A871</u>

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>
Task: Wallace & Sons Scrapyard

Timothy Beaumont
CDM
One General Motors Dr. STE 2
Syracuse, NY 13206

09/28/2007

Project Manager

STL Buffalo

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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIV | ŒD |
|---------------|---------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7A87101 | NIS-EW-0907-A | WATER | 09/25/2007 | 08:00 | 09/26/2007 | 09:15 |
| A7A87102 | NTS-EW-0907-A (DUP) | WATER | 09/25/2007 | 08:00 | 09/26/2007 | 09:15 |

METHODS SUMMARY

Job#: <u>A07-A871</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER ANALYTICAL
PARAMETER METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-A871</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-A871

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

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Iaboratory Manager or his/her designee, as verified by the following signature."

Jason/R. Kacalski Project Manager

Date

Date: 09/28/2007 Time: 13:32:26

Requested Reporting Limits < Lab PQL

Page: 1 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | <u>Unit</u> | Client RL | Lab POL |
|----------|--------------|-------------|--------------|------------|
| Organics | | | | |
| 608PCB | Aroclor 1016 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1221 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1232 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1242 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1248 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1254 | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1260 | UG/L | 0.050 | 0.060 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | ANALY | TICAL REQ | UIREMENT | 3 | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|----------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| NTS-EW-0907-A | A7A87101 | - | - | <u>-</u> | CFR136 | | - | <u>-</u> |
| NTS-EW-0907-A (DU | A7A87102 | - | - | - | CFR136 | _ | <u>-</u> | - |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-0907-A | WATER | 09/25/2007 | 09/26/2007 | 09/26/2007 | 09/27/2007 |
| NTS-EW-0907-A (DUP) | WATER | 09/25/2007 | 09/26/2007 | 09/26/2007 | 09/27/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-0907-A | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-0907-A (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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 aidol-condensation product.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | |
|------------------------------|----------------------|-----------|----------|
| Lab Code: RECNY Case | No.: | SAS No.: | SDG No.: |
| GC Column(1): ZB-35 | ID: <u>0.53</u> (mm) | | |

| Clie | ent Sample ID | Lab Sample ID | | TCMX %REC # | | 120776 2 | ****** | ****** | TOT OUT |
|--------------------|---|--|------------------------|----------------------|--|-----------------|------------|--------|------------|
| 2 Matri 3 Metho | x Spike Blank x Spike Blk Dup d Blank W-0907-A | A7B1510901 A7B1510902 A7B1510903 A7AB7101 | 76 78 100 117 | 88 87 82 62 | | , | | | 0 0 0 |

QC LIMITS

(26-145) (25-152)

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | |
|------------------------------|----------------------|-----------|-------------|--|
| Lab Code: RECNY | Case No.: | SAS No.: | SDG No.: | |
| GC Column(1): ZB-35 | ID: <u>0.53</u> (mm) | | | |
| | | | | |
| Client Comple In 1 | ah Camala ID DCGD | TOUV | | |

| Client Sample ID | • | | | ! | | | | | | TOT 0UT |
|----------------------|--|---|--|--|--|--|--|-----------------|-----------------|-----------------|
| <u> </u> | | ====== | | ====== | ====== | ====== | ====== | ====== | #22055# | === |
| Matrix Spike Blank | A7B1510901 | 76 | 88 | | | | | | | 0 |
| Matrix Spike Blk Dup | A7B1510902 | 78 | 87 | | [| | | | | O |
| Method Blank | A7B1510903 | 100 | 82 | | 1 1 | ' | | | | 0 |
| NTS-EW-0907-A (DUP) | A7A87102 | 120 | 64 | | | | | | | 0 |
| | Matrix Spike Blank Matrix Spike Blk Dup Method Blank | Matrix Spike Blank A781510901 Matrix Spike Blk Dup A781510902 Method Blank A781510903 | ### ################################## | ### ### ############################## | ### ################################## | ### ################################## | ### ################################## | XREC # XREC # | XREC # XREC # | XREC # XREC # |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

Column to be used to flag recovery values* Values outside of contract required QC limitsD Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | Lab Samp ID: <u>A7B1510903</u> | | | | | | | |
|--|-------------------------|-------------------------------|--------------------|--------------------------------|-----------|-----------------------------|--|--|--|--|--|
| Lab Code: REKNY Case N | o.: | SAS No.: | | SDG No.: | | | | | | | |
| Matrix Spike - Client Samp | le No.: <u>Method B</u> | lank | | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | | | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.913 0.958 | 91 96 | 58 - 141 56 - 144 | . | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | 1 - 1 | Q(RPD | C LIMITS REC. | | | | | |
| Aroclor 1016Aroclor 1260 | 1.00 1.00 | 0.925 0.974 | 92 97 | 1 1 | 30 30 | 58 - 141 56 - 144 | | | | | |
| # Column to be used to flag * Values outside of QC lim RPD:0 out of2 out Spike recovery:0 out | its tside limits | | n asteris | k | | | | | | | |
| Comments. | | | | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | | A7B1510903 | | | | | | |
|--|--|-------------------------------|--------------------|----------------------|--------|------------------|--|--|--|--|
| Lab Code: <u>RECNY</u> Case No | · · · | SAS No.: | | S | DG No. | : | | | | |
| Matrix Spike - Client Sampl | Spike - Client Sample No.: <u>Method Blank</u> | | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | | | | |
| Total Polychlorinated(1) | 2.00 | 1.87 | 93 | 50 - 150 | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | % RPD # | | C LIMITS REC. | | | | |
| Total Polychlorinated Bi | 2.00 | 1.90 | 94 | 1 | 50 | 50 - 150 | | | | |
| (1) Total Polychlorinated Biphenyls # Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits | | | | | | | | | | |
| RPD: 0 out of 1 out of 5 out o | | limits | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: <u>STL Buffalo</u> | Contract: | | NTS-EW-C | 907 -A |
|--|---------------------------|---|------------------|--|
| naic. bil barrary | CORCIACC. | | | |
| Lab Code: RECNY Case No.: | SAS No.:S | SDG No.: | | |
| Matrix: (soil/water) <u>WATER</u> | | Lab Sample ID: | <u>A7A87101</u> | <u>. </u> |
| Sample wt/vol: 1060.00 (g/mL) ML | | Lab File ID: | 12A06050 | .TXO |
| % Moisture: decanted: (Y/N) | <u>N</u> | Date Samp/Recv: | 09/25/20 | 07 <u>09/26/200</u> 7 |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEP</u> | <u>F</u> | Date Extracted: | 09/26/20 | <u>07</u> |
| Concentrated Extract Volume:2000(uL | .) | Date Analyzed: | 09/27/20 | 07 |
| Injection Volume:1.00(uL) | | Dilution Factor: | 1.00 | |
| GPC Cleanup: (Y/N) N pH: 6.00 | | Sulfur Cleanup: | (Y/N) <u>N</u> | |
| CAS NO. COMPOUND | CONCENTRATI (ug/L or u | ON UNITS: g/Kg) <u>UG/L</u> | Q | |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | | 0.047 0.047 0.047 0.047 0.047 0.047 0.047 | ם מ מ מ | |
| Total Polychlorinate | a Biphenyis | 0.47 | U | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

HOD 608 - POLYCHLORINATED BIPHENYLS

METHOD BLANK SUMMARY

Client No.

| Lah Name. G | STL Buffalo | . - | Method Blank | | | | | | | |
|--|---|------------------|--------------------------|----------------|------|--|--|--|--|--|
| Bab Name: <u>s</u> | SID BULLATO | Contract: | | | | | | | | |
| Lab Code: RECNY Case No.: SAS No.: SDG No.: | | | | | | | | | | |
| ab Sample ID: <u>A7B1510903</u> Lab File ID: <u>12A06049.TX0</u> | | | | | | | | | | |
| Matrix: (so | oil/water) <u>WATER</u> | Extra | Extraction: <u>SEPF</u> | | | | | | | |
| Sulfur Clea | anup: (Y/N): <u>N</u> | Date | Extracted: | 09/26/2007 | | | | | | |
| Date Analyz | zed (1): <u>09/27/2007</u> | Date | Analyzed (2) | | | | | | | |
| Time Analyzed (1): 12:04 Time Analyzed (2): | | | | | | | | | | |
| Instrument | ID (1): <u>HP5890-12</u> | Insti | rument ID (2) | : | | | | | | |
| GC Column (| (1): <u>ZB-35</u> Dia: <u>0</u> . | .53 (mm) GC Cc | olumn (2): | Dia: _ | (mm) | | | | | |
| TH | HIS METHOD BLANK APPLIE | ES TO THE FOLI | LOWING SAMPLES | s, Ms AND MSD: | | | | | | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | 1 | | | | | | |
| 1 | Matrix Spike Blank Matrix Spike Blk Dup NTS-EW-0907-A | A7B1510901 | 09/27/2007 09/27/2007 | | | | | | | |
| Comments: _ | | • | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lah Name. | STL Buffalo | Contract - | | Method Blank | | | | | |
|-------------|---|--------------------------|----------------------|--------------------|------|--|--|--|--|
| nan Mame: | SIN DOLLAIO | CONTRACT: | | | | | | | |
| Lab Code: | RECNY Case No.: | SAS No. | : SI | OG No.: | | | | | |
| Lab Sample | E ID: <u>A7B1510903</u> | Lab 1 | File ID: <u>12A0</u> | 5049.TX0 | | | | | |
| Matrix: (s | soil/water) <u>WATER</u> | Extra | action: | SEPF | | | | | |
| Sulfur Cle | eanup: (Y/N): <u>N</u> | Date | Extracted: | 09/26/2007 | | | | | |
| Date Analy | zed (1): <u>09/27/2007</u> | Date | Analyzed (2) | · | | | | | |
| Time Analy | vzed (1): <u>12:04</u> | Time | Analyzed (2) | : | | | | | |
| Instrument | ID (1): <u>HP5890-12</u> | Inst | rument ID (2) | <u> </u> | | | | | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | . <u>53</u> (mm) GC Co | olumn (2): | Dia: | (mm) | | | | |
| 1 | THIS METHOD BLANK APPLIE | es to the foll | LOWING SAMPLES | S, MS AND MSD: | | | | | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | | DATE ANALYZED 2 | | | | | |
| 1 2 3 | Matrix Spike Blank Matrix Spike Blk Dup NTS-EW-0907-A (DUP) | A7B1510901 A7B1510902 | 09/27/2007 | 1 | | | | | |
| Comments: | | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Tale Name COT D. SS. 1 | Method Blank |
|--|---|
| Lab Name: STL Buffalo Contrac | zt: |
| Lab Code: RECNY Case No.: SAS No.: | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B1510903</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: <u>12A06049.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 09/26/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 09/27/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | ĿD | RECEIV | ED |
|---------------|---------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7A87101 | NTS-EW-0907-A | WATER | 09/25/2007 | 08:00 | 09/26/2007 | 09:15 |
| A7A87102 | NTS-EW-0907-A (DUP) | WATER | 09/25/2007 | 08:00 | 09/26/2007 | 09:15 |

METHODS SUMMARY

Job#: <u>A07-A871</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: A07-A871

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

General Comments

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

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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-A871

Sample Cooler(s) were received at the following temperature(s); $2.0\ ^{\circ}$ C All samples were received in good condition.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Chain Of Custody Documentation

Chain of Custody Record





| TL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-------------------------------------|-------------------|---------|--------------|----------------|--------|---------------|--|------------|-------|---------------|--------|------------|-----------|---------|--|---------------|----------------|---------------|--------------------------------|---------|---------|-----------|----------|---------|-------------|-------------|------------|
| Client | | Project | | | U | , ₃ | _ | ,, | 7 | | | | · | | | | 0 | ate 9 | 15 | 1 | | | C | Chain of | Custo | Odv.N | imber | | |
| COM | | Telepho | | | <u> </u> | 1-00 | 1 | <u> </u> | 114 | 1 | | | | Lab Number | | | | | | | Chain of Custody Number 298765 | | | | | | | | |
| Address / Cenual Motus Priv | ٠ | 315 | - (| 134 | | | 7 | | ? /] | | H. | 35 | 700 | 700 | | | | | | | <u></u> | Page _ | | <u>/_</u> | of . | | | | |
| City State Zip Ci | 206 | Site Co | | | 1 | ✓— | La | sb Cor | ntact | ٩ | | | | | | A | nalys ore si | is (A pace | ttaci is ne | i list ede | if d) | | | | | | | | |
| Project Name and Location (State) | | 7 IM | <u>/a</u> Wavi | bill No | ımber | 1 | | | | | | | | T | <u>\$</u> | T | | 7 | - 1 | T | Ť | Т | T | 7 | | | | | |
| 6 MWallace ad Su Coblinel | 1.4. | , | ho | | | | | | | | | | 1 | - (| | | | 1 | ı | İ | | - | | ł | Sne | cial li | nstruc | tions/ | |
| Contract/Purchase Order/Quote No. | | | _ | | atrix | | \top | | | ntain | | | | (<u>a</u> | 200 | 1 | | | 1 | - { | 1 | - | 1 | 1 (| Con | lition | s of R | eceipt | |
| | | | <u> </u> | , ivi | auix | | \bot | | Pres | serva | ative | s | | - 1 | | 1 | [' | | - { | | - [| | | 1 | | | | | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Air | Aqueous | Sed. | NO. | , | HZSO4 | HNO3 | Ž | NaOH | ZnAc/ NaOH | 6 | <u> </u> | 20 | | | | | | | | | | | | | | |
| NTS-EW-0907-A | 1/25/07 | 800 | | x | | | _ | 2 | L | | | | | × | | | | | | | | | | de | tech | u li | uty | 0.05 | eeb |
| NTS-EW-0907-A (OUP) | 9/25/07 | 800 | | х | \downarrow | _ | Ż | <u>'</u> | | <u> </u> | | Щ | | | ¥ | \perp | | | | | | \perp | \perp | <u> </u> | | _ | <u> </u> | | |
| | | | | _ | 4 | _ | _ | | <u> </u> | <u> </u> | | | _ | 1 | 4 | _ | | _ | _ | _ | _ | 4 | _ | <u> </u> | | | | | _ |
| | | <u>-</u> | | | 4 | 4 | 4 | - | _ | _ | _ | | _ | 4 | 4 | 1 | _ | _ | _ | _ | 4 | 4 | \bot | - | | | | | |
| | | | | _ | _ | ┵ | 1 | _ | L | <u> </u> | | | _ | 1 | \perp | \perp | | | 4 | _ | _ | | \perp | | | | | | |
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| | - | | | 7 | | | | | | | | | | | | | | | | T | | 7 | | | | | | | |
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| | | | | | | \dagger | 7 | \top | | † | | | | 1 | + | 1 | †- | | 1 | _† | 7 | - | 十 | | | | _ | | |
| | | | | | | 1 | 十 | | 1 | \top | | | | | T | | | | \dashv | \neg | | \top | 十 | | | | | | _ |
| Possible Hazard Identification | | | <u> Т</u> | ampi | e Disp | osal | | _ | ــــــــــــــــــــــــــــــــــــــ | т | 1.— | ш | | | | خلہ | | | | | | | L_ | | | | retained | | _ |
| | Poison B | Unknown | , [[|] Re | turn T | o Clie | ent | | | osai l | | | | rchiv | e Foi | | <u></u> | Mont | | | | | nonth) | | ampie | rs are | etaineu | | |
| Turn Around Time Required 24 Hours 48 Hours 7 Days 14 Day | Паса | ⊠ /ou | | R. | day | | | 100 | Rec | quirer | | S (Spe | ecify) | 0 | | | | | | | | | | - 1 | | 7 | | | |
| 24 Hours 48 Hours 7 Days 14 Day 1. Relinquished By | s 🗀 21 Days | Date | | | , Time | | | 4 | Rece | ived | | C/P | 7 | <u> </u> | | <u></u> | | | | | | | | Date | | + | Time | | |
| Ith 1 Bu I | | Slag | ./: | 2 | 10 | 90 | < | 1 | <u>"</u> | <u>ر</u> د | L | | | | | | | | <u></u> . | | | | | L | 2ر_ | (0) | 0 | 9/1 | _ |
| 2. Relinquished By | | Date | | | Time | 9 | | 2: 1 | Rece | eived | Ву | | | | | | | | | | | | | Date | | | Time | | <u>ح</u> ر |
| 3. Relinquished By | | Date Time 3. Received By 2.0°C Date | | | | | • | Time | | — ; | | | | | | | | | | | | | | | | | | | |
| Hold " Dup" Samples. | Clarlys | <u> </u> | nl | ን | 1 | Ý | K. | u | 'n |) | d | ste | ich | | | | | inc | 9 | J | Sa | n.s | 6. | · | <u> </u> | | · | | |
| NSTRIBUTION: WHITE - Returned to Client with Report; Co. | ANARY - Stays wi | ith the Sam | ple: | PINK | - Fiel | d Cop | ру | | | | | | | | | | 7 | | | | | . – | | | | | | | |



Doc. Login/ARRF - Side A Rev 4

Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB# P 8 >/ |
|--|---------------------------------------|
| Shipment ID | Strict Internal COC: YES / NO |
| | Residual Chlorine Check: |
| | Radiation Check <0.02 mR/hr: YES / NO |
| ACProject / Task | 1474959511 |
| TATSBD/CD # OF SAMPLE | S TRIP BLANK YN # |
| SHIPPED BY Feder | ATTACH SHIPPING TAGS |
| RECEIVED DATE / TIME: | 9 120 105:15 |
| COOLER TEMP Q C (4 +/- 2 °C |) QK NÖ |
| Cooler Custody Seal intact? (YES)NO NON | E SEAL# |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) |
| SUBCONTRACT YESINO LAB | SM# |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE |
| Sample received outside hold time | |
| Headspace in VOA vials | |
| Problems with bottle labels | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out A | ARRF, see reverse) |
| | |
| PRESERVATION CHECKED YES | NO NA Initials |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials 5 |
| WERE ALL THE APPROPRIATE TESTS ASSIGNI | ED? Initials |
| Temp.Cert.Loss: | |

e: 09/26/2007 ie: 13:14:40 STL Buffalo Sample Inventory Page: 1 Rept: ANO383

| Job No: A07-A0 Client: Camp Project: NY7A9 SDG: Case: SMO No: No. Samps: 2 | Dresser and Mckee | | | Sample Tag Num SMO F | Seal: NO tody: YES Tags: NO | Cooler Temperature: 2.0 | °C | | |
|--|--------------------------------------|--------------------------------------|----------------------|-------------------------|-----------------------------------|---------------------------------------|----------------|--------------|-----|
| | | | | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| | 09/26/2007 09:15 09/26/2007 09:15 | NTS-EW-0907-A NTS-EW-0907-A (DUP) | A7A87101 A7A87102 | Good Good | 2-11GA 2-11GA | PCBS 608 PCBS 608 (EXTRACT AND HOL | RECNY RECNY | 0100 0100 | |

| ple Custodian: | /20 |
|----------------|-----|
|----------------|-----|

608 Data

Analytical Report October Sampling Event



ANALYTICAL REPORT

Job#: A07-C734

Project#: NY7A9595

Site Name: Niagara Mohawk O & M
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

TestAmerica Laboratories Inc.

Jason R. Kacalski Project Manager

11/21/2007

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.



TestAmerica Buffalo Current Certifications

As of 6/15/2007

| 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMP1 | ED | RECEIVI | 3 D |
|---------------|--------------------|--------|------------|-------|------------|------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7C73401 | NTS-EW-1007 | WATER | 10/31/2007 | 08:40 | 11/02/2007 | 16:45 |
| A7C73402 | NTS-EW-1007 (DUP). | WATER | 10/31/2007 | 08:40 | 11/02/2007 | 16:45 |

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.

METHODS SUMMARY

Job#: A07-C734

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL AMETER METHOD

PARAMETER _____

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-C734</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-C734

Sample Cooler(s) were received at the following temperature(s); 2.0 °C Hold "DUP" samples. Analyze only if there is a detection in original sample.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Date: 11/21/2007 Time: 14:55:39 Requested Reporting Limits < Lab PQL

Page: 1 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | Para | meter | Unit | Client RL | Lab POL | _ |
|----------|--------------|-------|-------------------------|--------------|------------|---|
| Organics | | | | | | |
| 608PCB | Aroclor 1016 | ٠ . ر | JG/L | 0.050 | 0.060 | |
| 608PCB | Aroclor 1221 | · | JG/L | 0.050 | 0.060 | |
| 608PCB | Aroclor 1232 | τ | JG/L | 0.050 | 0.060 | |
| 608PCB | Aroclor 1242 | τ | JG/L | 0.050 | 0.060 | |
| 608PCB | Aroclor 1248 | J · | Œ/L | 0.050 | 0.060 | |
| 608PCB | Aroclor 1254 | Ţ | JG/L | 0.050 | 0.060 | ٠ |
| 608PCB | Aroclor 1260 | τ | \mathbf{G}/\mathbf{L} | 0.050 | 0.060 | |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: TESTAMERICA LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | ANALY | TICAL REQ | UIREMENT | S | | | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|----------|--------------|------------------|--|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | | |
| NTS-EW-1007 | A7C73401 | - | - | _ | CFR136 | - | • | . | | |
| NTS-EW-1007(DUP). | A7C73402 | - | - | ** | CFR136 | - | - | - | | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-1007 | WATER | 10/31/2007 | 11/02/2007 | 11/06/2007 | 11/07/2007 |
| NTS-EW-1007(DUP). | WATER | 10/31/2007 | 11/02/2007 | 11/06/2007 | 11/07/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-1007 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-1007(DUP). | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6



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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: TestAmerica Laboratories Contract: Lab Code: RECNY Case No.: SAS No.: SDG No.: Watrix: (soil/water) WATER Lab Sample ID: A7C73401 Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 19814176.TX0 Sample wt/vol: decanted: (Y/N) N Date Samp/Recv: 10/31/2007 11/02/2007 Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 11/06/2007 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/07/2007 Injection Volume: 1.00 (uL) Dilution Factor: 1.00 SPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N CAS ND. COMPOIND (ug/L or ug/Kg) UG/L Q 1104-28-2Arcolor 1016 0.047 U U 11104-28-2 | ration on the first of the court of | | NTS-EW-1007 |
|--|--|--|-----------------------|
| Matrix: (soil/water) WATER Lab Sample ID: A7C73401 Lab File ID: 19B14176.TX0 Moisture: decanted: (Y/N) N Date Samp/Recv: 10/31/2007 11/02/2007 Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 11/06/2007 Concentrated Extract Volume:2000 (uL) Date Analyzed: 11/07/2007 Injection Volume:1.00 (uL) Dilution Factor:1.00 GPC Cleanup: (Y/N) N pH: _6.00 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 | Lab Name: <u>TestAmerica Laboratories</u> Contract | · | |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab Code: RECNY Case No.: SAS No.: _ | SDG No.: | |
| # Moisture: decanted: (Y/N) N | Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | A7C73401 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 11/06/2007 Concentrated Extract Volume:2000 (uL) Date Analyzed: 11/07/2007 Injection Volume:1.00 (uL) Dilution Factor:1.00 SPC Cleanup: (Y/N) N pH: _6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: | 19B14176.TX0 |
| Concentrated Extract Volume:2000 (uL) Date Analyzed:11/07/2007 Injection Volume:1.00 (uL) Dilution Factor:1.00 SPC Cleanup: (Y/N) N pH: _6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | Moisture: decanted: (Y/N) N | Date Samp/Recv: | 10/31/2007 11/02/2007 |
| Injection Volume: 1.00 (uL) Dilution Factor: 1.00 GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: | 11/06/2007 |
| CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | Concentrated Extract Volume:2000(uL) | Date Analyzed: | 11/07/2007 |
| CONCENTRATION UNITS: (AS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | Injection Volume: 1.00(uL) | Dilution Factor: | 1.00 |
| CAS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> Q 12674-11-2Aroclor 1016 0.047 U 11104-28-2Aroclor 1221 0.047 U | GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: | (Y/N) <u>N</u> |
| 11104-28-2Aroclor 1221 | | | Q |
| 53469-21-9Aroclor 1242 0.047 U 12672-29-6Aroclor 1248 0.047 U 11097-69-1Aroclor 1254 0.047 U 11096-82-5Aroclor 1260 0.047 U | 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.047 0.047 0.047 0.047 0.047 0.047 | ប ប ប ប ប |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>TestAmerica Labor</u> | atories Inc. | Contract: | | | |
|------------------------------------|----------------------|-----------|----------|-------------|--|
| Lab Code: RECNY Case | No.: | SAS No.: | SDG No.: | | |
| GC Column(1): <u>28-5</u> | ID: <u>0.53</u> (mm) | | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | TOT OUT |
|---|----------------------|---------------|----|----------------|-------|---|---------|--|------------|
| 4 | Matrix Spike Blank | A7B1775001 | 68 | 81 | | | | | |
| | | | | | | | | | , , |
| | Matrix Spike Blk Dup | | 82 | 86 | 1 | ' | \ ' | | וטו |
| 3 | Method Blank | A7B1775003 | 73 | 79 | | | | | 0 |
| 4 | NTS-E4-1007 | A7C73401 | 76 | 88 | | | | | 0 |
| | | | | | L | | L | | |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene (26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>TestAmerica Labor</u> | atories Inc. | Contract: | | Lab Sa | amp ID | : <u>A7B1775003</u> |
|--|------------------------|-------------------------------|--------------------|----------------------|----------|----------------------|
| Lab Code: <u>RECNY</u> Case No |).: | SAS No.: | <u>-</u> | SI | ж. | : |
| Matrix <u>Sp</u> ike - Client Sampl | e No.: <u>Method B</u> | lank | | | | ٠. |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.963 0.914 | 96 91 | 58 - 141 56 - 144 | 1 6 | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSBD % REC # | % RPD # | RPD | C LIMITS REC. |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.947 0.989 | 95 99 | 1 8 | 30 30 | 58 - 141 56 - 144 |
| # Column to be used to flag * Values outside of QC limi RPD:0 out of2 out Spike recovery:0 out of | ts side limits | | n asteris | k · | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

Client No. METHOD BLANK SUMMARY

| Lab Name: <u>TestAmerica Laborat</u> | Contract: _ | | Method Blank | |
|--|--------------------------------------|----------------------|---------------|---------------------------------------|
| Lab Code: RECNY Case No.: | _ SAS No.: | : SI | DG No.: | - |
| Lab Sample ID: <u>A7B1775003</u> | Lab I | File ID: <u>19B1</u> | 4174.TX0 | |
| Matrix: (soil/water) WATER | Extra | action: | SEPF | |
| Sulfur Cleanup: (Y/N): N | Date | Extracted: | 11/06/2007 | |
| Date Analyzed (1): <u>11/07/2007</u> | Date | Analyzed (2) | | |
| Fime Analyzed (1): 11:13 | Time | Analyzed (2) | | |
| Instrument ID (1): <u>HP5890-19</u> | Instr | rument ID (2) | <u> </u> | |
| GC Column (1): <u>ZB-5</u> Dia: <u>0</u> . | 53 (mm) GC Cc | olumn (2): | Dia: _ | (mm) |
| THIS METHOD BLANK APPLIE | S TO THE FOLI | OWING SAMPLES | , MS AND MSD: | |
| CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED 1 | i | |
| 1 Matrix Spike Blank 2 Matrix Spike Blk Dup | A7B1775001 A7B1775002 A7C73401 | 11/07/2007 | | |
| Comments: | | | | · · · · · · · · · · · · · · · · · · · |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHIORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Lab Name: TestAmerica Laboratories Contract: | Method Blank |
|--|--|
| Lab Code: RECNY Case No.: SAS No.: | |
| Matrix: (soil/water) WATER | Lab Sample ID: <u>A7B1775003</u> |
| Sample wt/vol:1000.00 (g/mL) ML | Lab File ID: 19B14174.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: <u>11/06/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>11/07/2007</u> |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| • | TION UNITS: ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |

608 PCB Data

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPLED | | RECEIVE | ⊈ D |
|---------------|-------------------|--------|------------|-------|------------|------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7C73401 | NIS-EW-1007 | | | | 11/02/2007 | |
| A7C73402 | NTS-EW-1007(DUP). | WATER | 10/31/2007 | 08:40 | 11/02/2007 | 16:45 |

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.

METHODS SUMMARY

Job#: <u>A07-C734</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: <u>A07-C734</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-C734

Sample Cooler(s) were received at the following temperature(s); 2.0 °C Hold "DUP" samples. Analyze only if there is a detection in original sample.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Date: 11/21/2007 Time: 14:55:57

Requested Reporting Limits < Lab PQL

Page:

Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 POL.

| Method | <u>Parameter</u> | <u>Unit</u> | Client RL | Lab POL |
|--------------------------------------|--|----------------------|----------------------------------|---|
| Organics | | | | |
| 608PCB 608PCB 608PCB 608PCB | Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 | UG/L UG/L UG/L | 0.050 0.050 0.050 0.050 | 0.060 0.060 0.060 0.060 0.060 |
| 608PCB 608PCB | Aroclor 1248 Aroclor 1254 Aroclor 1260 | UG/L UG/L | 0.050 0.050 0.050 | 0.060 |

Chain Of Custody Documentation

Chain of Custody Record



Severn Trent Laboratories, Inc.

| S1L-4124 (0901) | j | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--|------------------|-------------------------|---------|----------|-----------------------|------------|---------|--------------|-----------|--------|---------------|-----------|-------------|----------|----------|---------|--------------|----------|-------------|----------|-------------------------|-----------------------|---------------------|-----|
| Client | 1 | | Project l | Manag | er M | 13 | T | 10 | de | ,, | | | | - ::- | | | Date | • | 1/0 | . 7 | | ٩ | Chain of Custody Nu | mber 08 | • |
| Addense | | 0. | Telepho | | , | Area | Code, |)/Fax I | Ňumb | er | | | | | | | Lab I | vumb | er er | <u> </u> | | \dagger | | / | - |
| City | ual Motors | Code | Site Cor | | 34 | 32 | | Lab C | 3 Contac | <u>15</u> | | 163 | <u> 5</u> | 100 | <u>ソ</u> | Δηρ | lysis | Δtto | ch lie | t if | | | Page/ | of | = |
| Syracus | 14/ | 3206 | Tim | Be | avu | at | - | | | | | | | 70 | я — | more | spac | e is i | neede | ed) | - 1 | $\overline{\mathbf{T}}$ | 4 | | |
| Project Name and Location | | 101 14. | CarrierA | - | | | ura | CUS | د ح | l rvi | u (| enti | 3 | 100 th 100 | | | | | | | | | Special Ir | nstructions/ | |
| Contract/Purchase Order/O | | | | • | Mat | | | | Co | ntair | ners a | g. | | | | | | | | Ì | | | Conditions | of Receipt | |
| | o. and Description may be combined on one line) | Date | Time | ₹ | Sed. | Soil | | Unpres. | HXO3 | Ž Š | NaOH | ZnAc/ NaOH | - ع | ₹ 2 2 | 3 | | | | | | | | | | |
| NTS-EW- | 1007 | 10/3/107 | 140 | ر | | | | 2 | | | | | \ | C | | | | | | | | | detectuli | ust of 0.05 | |
| NTS-EW- | 1007 (DUP) | 10/31/07 | 840 | ; | <u> </u> | | | 2 | | | | | \perp | X | | Ш | | <u> </u> | | | | \perp | | L | |
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| Possible Hazard Identificati | on | | <u> </u> | Sar | nple C | ispos | al | | | | | | | | <u> </u> | | 1 | | (4 % | | <u> </u> | | sed if samples are re | ata in a d | - |
| Non-Hazard | | Poison 8 | Unknown | | Retur | n To C | Client | | | | Ву Ц | ab s (Spe | | chive . | For . | | _ Mo | nths | | | an 1 mo | | | лапе с | |
| 24 Hours 48 Hg | | ays 🗌 21 Days | s Oth | er | SP | <u>D</u> | | _ ິ | ne A | squire | Ce | s (Spe | B | - | | | | | | | | | | . • • | |
| 1 Alalinguished (8) R | A | | Date | 07 | 1 | _{јте} 7 2 | <u>5</u> 2 | 14 | Ffed F | eiveo | Ü | Z | N | en | | | | | | | · | | Date 11/1/07 | 150/1 ²⁵ | 1 |
| 2. Relinquisped By | 1154 | | | 10= | 2 / | ime 9 | <u>′3</u> | | Rec | eigeo | | | M | 1 | 2 | | | | | | 1 | 1_ | 11-02-07 | Time 16:45 | . 6 |
| 3. Relinquished By | · · · · · · · · · · · · · · · · · · · | | Date | | | ime | - | 3 | . Red | eive | IJEV | | | | | | | (. | 2, | 0 | , | <i></i> | Date | Time | |
| Comments (| Pup " Sample. | s. Ana | lyze | n | ly_ | 4 | 79 | here | ` | 1 | 0 | W | cel | u . | In | a | 314 | | 7 | ζ 4. | pl | <u>, .</u> | | | - |
| DISTRIBUTION: WHITE | Returned to Client with Report: | CANARÝ - Stays v | vi th tfle S amp | ole; Pi | NK - I | ield C | Ору | | | | | | | | | | • | | | | | | | | |



Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB# C734 |
|--|---|
| Shipment ID | Strict Internal COC: YES NO Residual Chlorine Check: |
| ACProject / Task _ | Radiation Check <0.02 mR/hr: YES / NO |
| TAT 15 BD/ CD # OF SAMPLE | |
| SHIPPED BY COUPLER | ATTACH SHIPPING TAGS |
| RECEIVED DATE / TIME: | 111 210 18:45 |
| COOLER TEMP Z-0°C (4+/-2°C | OK NO |
| Cooler Custody Seal intact? YES/NO | SEAL# |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) |
| SUBCONTRACT YES NO LAB | SM# |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE |
| Sample received outside hold time | |
| Headspace in VOA vials | |
| Problems with bottle labels | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out A | ARRF, see reverse) |
| | |
| | NO NA Initials |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials |
| WERE ALL THE APPROPRIATE TESTS ASSIGNI | ED? Initials |
| Temp.Cert.Loss: | |

e: 11/02/2007 e: 19:31:34 TestAmerica Laboratories Inc.
Sample Inventory

Page: 1 Rept: ANO383

| Job No Client: Project SDG Case: SMO No No. Samps: | Camp D NY7A95 | resser and Mckee | | | Sample Tag Num SMO F | Seal: NO tody: YES Tags: NO | Cooler Temperature: | 2.0°C | | |
|--|------------------|--------------------------------------|----------------------------------|----------------------|-------------------------|-----------------------------------|-------------------------|-------|--------------|----------|
| Samu | | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Pres Code | log |
| Sampl | - | Receive | Ct lent Sample 10 | Cap ID | Condition | bottles | raialleteis | Lab | Code | <u> </u> |
| | | 11/02/2007 16:45 11/02/2007 16:45 | NTS-EW-1007 NTS-EW-1007(DUP). | A7C73401 A7C73402 | Good Good | 2-11GA 2-11GA | PCBS PCBS(EXTRACT&HOLD) | | 0100 0100 | |

| | | $a \rightarrow A \hat{\Omega}$ | | |
|---------------|----------|--------------------------------|----------------------------------|-------|
| le Custodian: | <u> </u> | 11/ - /20 0 1 | Analytical Services Coordinator: | / /20 |

Analytical Report November Sampling Event



ANALYTICAL REPORT

Job#: <u>A07-D562</u>

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

<u>TestAmerica Laboratories Inc.</u>

Jason R. Kacalski. Project Manager

12/05/2007

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.



TestAmerica Buffalo Current Certifications

As of 6/15/2007

| 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 |
| lowa | 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 Data Summary Package

SAMPLE SUMMARY

| | | | Sampi | LED | RECEIVI | <u>3</u> D |
|---------------|-------------------|---------------|------------|-------|------------|------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | <u>MATRIX</u> | DATE | TIME | DATE | TIME |
| A7D56201 | NTS-EW-1107 | WATER | 11/19/2007 | 11:00 | 11/21/2007 | 09:45 |
| A7D56202 | NTS-EW-1107 (DUP) | WATER | 11/19/2007 | 11:00 | 11/21/2007 | 09:45 |

METHODS SUMMARY

Job#; <u>A07-D562</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

ER METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608FCB

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.

SDG NARRATIVE

Job#: <u>A07-D562</u>

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>

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-D562

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

GC Extractable Data

For method 608, Arcclor 1260 exhibited a percent difference greater than 15% from the expected amount in the opening continuing calibration while Arcclor 1016 exhibited a decreased response in the closing continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski

Project Manager

Date

Date: 12/05/2007 Time: 12:31:55 Requested Reporting Limits < Lab PQL

Page: 1 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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.

| <u>Method</u> | | rameter | _Unit_ | Client RL | Lab POL |
|---------------|--------------|---------|--------|--------------|------------|
| Organics | • | | | | |
| 608PCB | Aroclor 1016 | | UG/L | 0.050 | 0.060 |
| 608PCB | Arcclor 1221 | | UG/L | 0.050 | 0.060 |
| 608PCB | Arcelor 1232 | | UG/L | 0.050 | 0.060 |
| 608PCB | Arcelor 1242 | | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1248 | | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1254 | | UG/L | 0.050 | 0.060 |
| 608PCB | Aroclor 1260 | | UG/L | 0.050 | 0.060 |

NEW YORK STATE DEFARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME; TESTAMERICA LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | ANALYTICAL REQUIREMENTS | | | | | |
|-----------------------|-------------------------|---------------|-------------------------|-----------|-------------|--------|--------------|------------------|
| | | VÓA GC/M\$ | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HBRB | WATER QUALITY |
| NTS-EW-1107 | A7D56201 | - | _ | | CFR136 | | | • |
| NTS-EW-1107 (DUP) | A7D56202 | - | - | • | CFR136 | • | • | - |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-1107 | WATER | 11/19/2007 | 11/21/2007 | 11/23/2007 | 11/25/2007 |
| NTS-EW-1107 (DUP) | WATER | 11/19/2007 | 11/21/2007 | 11/23/2007 | • |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.,

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-1107 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-1107 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | as required |



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 zample.
- 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 simit
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Client No.

| Tak Mare. TrackArawica Inharatonia. Gustonat | NTS-EW-1107 |
|--|--|
| Lab Name: TestAmerica Laboratories Contract: | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7D56201 |
| Sample wt/vol: <u>1060.00</u> (g/mL) ML | Lab File ID: <u>7845156.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 11/19/2007 11/21/200 |
| Extraction: (SepF/Cont/Sonc/Soxh); SEPF | Date Extracted: <u>11/23/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>11/25/2007</u> |
| Injection Volume: 1.00(uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Clearup: (Y/N) N |
| | RATION UNITS: or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Arcelor 1016 11104-28-2Arcelor 1221 | 0.047 U 0.047 U |
| 11141-16-5Aroclor 1232 | 0.047 U |
| 53469-21-9Aroclor 1242 | 0.047 U |
| 12672-29-6Aroclor 1248 | 0.047 U |
| 11097-69-1Aroclor 1254 | 0.047 U |
| 11096-82-5Aroclor 1260 | 0.047 U |
| Total Polychlorinated Biphenyls (7 Ar | coclor 0.47 U |

CAMP DRESSER AND MCKEE MIAGARA MOHAMK O & M METHOD 608 - POLYCHLORIMATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: | <u>lestAmerica</u> | Labora | tories Inc. | Contract: | | |
|-----------|---|-----------|----------------------|-----------|--------------|--|
| Lab Code: | <u>rechy</u> | Case | Ho.: | SAS No.: | SDG No.: | |
| GC Column | (1): <u>28-35 </u> | <u>30</u> | ID: <u>0.53</u> (mm) | | | |

| | Client Sample ID | | | TCMX XREC # | | | | | TOT OUT |
|--------|---|------------|----------------------|-------------------------|--|---|--|---|------------|
| 2 3 | Matrix Spike Blank Matrix Spike Blk Dup Method Blank NTS-EW-1107 | A781874801 | 86 86 87 65 | 102 106 104 92 | | , | | , | 0 0 |

QC LIKITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MCHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| atrix Spike – Client Sam | ole No.: <u>Method I</u> | <u>lank</u> | | | | | |
|------------------------------|--------------------------|-------------------------------|---------------------|--------------------|-----|----------------------|---|
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 1.16 0.965 | 116 96 | 58 - 14 56 - 14 | ւ | | |
| COMPOUND | SPIKE ADDED UG/L | MSBD CONCENTRATION UG/L | MSRID % REC # | " | RPD | | + |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 1.15 1.10 | 116 111 | 0 14 | | 58 - 141 56 - 144 | . |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

Client No.

| Lab Name: | TestAmerica Laborat | Contract: | | Method Blank | |
|-------------|---|-----------------------|--------------------------|--------------------|------|
| Lab Code: | RECNY Case No.: | SAS No. | : S1 | OG No.: | |
| Lab Sample | : ID: <u>A7B1874803</u> | Lab l | File ID: <u>7B45</u> | 155,TX0 | |
| Matrix: (s | oil/water) <u>WATER</u> | Extra | action: | SEPF | |
| Sulfur Cle | eanup: (Y/N): Y | Date | Extracted: | 11/23/2007 | |
| Date Analy | rzed (1): <u>11/25/2007</u> | Date | Analyzed (2) | <u></u> | |
| Time Analy | zed (1): <u>11:28</u> | Time | Analyzed (2): | | |
| Instrument | ID (1): <u>HP6890-7</u> | Insti | rument ID (2): | | |
| GC Column | (1): <u>ZB-35 30</u> Dia: <u>0</u> . | <u>.53</u> (mm) GC Cc | olumn (2): | Dia: | (mm) |
| ם | THIS METHOD BLANK APPLIE | S TO THE FOLI | OWING SAMPLES | G, MS AND MSD: | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED I | DATE ANALYZED 2 | |
| 1 2 3 | Matrix Spike Blank Matrix Spike Blk Dup NTS-EW-1107 | A7B1874801 | 11/25/2007 11/25/2007 | | |
| Comments: | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M. METHOD 608 - POLYCHLORINATED BIPHENYIS ANALYSIS DATA SHEKT

Client No.

| Lab Name: <u>TestAmerica Laboratories</u> Contract: | Method Blank |
|--|---|
| THE SAME TRANSPORTER CONTRACT. | |
| Lab Code: RECNY Case No.; SAS No.; | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B1874803</u> |
| Sample wt/vol: <u>1000.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>7B45155.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: <u>11/23/2007</u> |
| Concentrated Extract Volume:2000(vL) | Date Analyzed: <u>11/25/2007</u> |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) Y |
| — — — — — — — — — — — — — — — — — — — | CENTRATION UNITS: g/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.050 U U 0.050 U U 0.050 U U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U |
| 1 | , , , , , , , , , , , , , , , , , , , |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMP | LED | RECEIV | 3 D |
|---------------|-------------------|--------|------------|-------|------------|------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7D56201 | NIS-EW-1107 | WATER | 11/19/2007 | 11:00 | 11/21/2007 | 09:45 |
| A7D56202 | MTS-EW-1107 (DUP) | WATER | 11/19/2007 | 11:00 | 11/21/2007 | 09:45 |

METHODS SUMMARY

Job#: <u>A07-D562</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER METHOD
METHOD 608 - POLYCHLORINATED BIPHENYLS CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-D562</u>

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>

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-D562

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

GC Extractable Data

For method 608, Arcclor 1260 exhibited a percent difference greater than 15% from the expected amount in the opening continuing calibration while Arcclor 1016 exhibited a decreased response in the closing continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|------------|--------------|------------|----------|--|----------|------------------|--|--------------|-----------|------------|---------------|----------------------|-----------------|----------------------|---------------------|-------------------|--|--|---------------------------------------|-------------|
| CAM | | Project & | lanag. | ar | Ma |) | <u>ښ</u> | 4.11 | 105 | | | | | Date | 11/11 | 1/07 | , | Chair o | 325 | 9 / Num | 5 | |
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| / Jesual Motors L | rive_ | | 15 | 4 | 34. | | | | 15 | 46. | <u> 5</u> | 700 | | <u> </u> | | | | Page | | <u></u> _ | or <u>/</u> | <u> </u> |
| | ^{Code} 3204 | Site Con | 11 | 2 40 | nod) | 1 | sie Con | Hact | | | | - <u>-</u> | An. mai | alysis (/ e space | itach is nai | list if eded) | 1"- | _ | | | | |
| Project Marie and Location (State) | 11/ | Carrier/M | vayou | Munic | ær | | ر ۾ | A WYCA | Cz. | <i>t.</i> | | , Fui | | 1 | | | | | Speci | ial Ins | tructions | s/ |
| Contract/Purchase Order/Quote No. | · /·— | | | Matr | 7 | T | | Contai Presen | nevs a | <u> </u> | 78 | 608 | | | | | } } | | Condit | tions | of Recei | p f |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | ₹ \$ | 598, | 3 | į | | 50 OF | Media | SPAC REOH | | 74 10 | | | | | | | | | | |
| NTS-EU-1107 | | 100 | | κ | | 5 | | | | | × | | | | | | | de | koh | alia | 100 | 05 pob |
| NTS-EU-1107 NTS-EU-1107 (DUP) | 11/15/07 | 100 | _ \ | | | 2 | - | | | <u> </u> | _ | X | 11 | | | 1. | <u></u> | | | | = | |
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| Turn Around Time Required 24 Hours 48 Hours 7 Days 14 Days | - | | | 51 | ń | | CC | Plequire | amente | (Spec | ily) | | | | | | | · | | | ` | |
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| 3. Rejinquished By | | Date ' | | " | ma | | 3.1 | Receive | d By | • | | | \Rightarrow | . ბ | ۲, | | | Date | 1 | | line | • |
| Comments 10 0 | a · and | alyze | | nd, | <u></u> | | Lu | | 7 | de | ho | 4. | 11 | au | - /m c | 0 | Sae | sle. | <u></u> | | | |
| DISTRIBUTION: WHITE - Returned to Client with Report; | CANARY - Stays wi | n Iné Sémp | le: Pi | NK - F | ieu Co | יעם, | | | | | | • | | , | | | | • | | | | |



Doc. Login/ARRF - Side A

Rev 4 May 11, 2007 SAMPLE LOGIN JOB# YES (NO Shipment iD ____ Strict Internal COC: Residual Chlorine Check: Radiation Check < 0.02 mR/hr: YES / NO AC _____Project / Task _ _TRIP BLANK Y(N)# TAT / SD/ CD # OF SAMPLES SHIPPED BY ATTACH SHIPPING TAGS 1/ 12(16) 05:45 RECEIVED DATE / TIME: COOLER TEMP 5. ○ °C (4+/-2°C) OK NO Cooler Custody Seal intact? (YESINO NONE SEAL#_ If NO to cooler temp or seal, PM notified? YES (PM Name) YES(NO) SUBCONTRACT LAB SM# **ACTUAL**) +1HR NONE COMMENTS: SAMPLE TIME +2 HR +3 HR Sample received outside hold time Headspace in VOA vials_____ Problems with bottle labels_____ OTHER SAMPLE RECEIPT COMMENTS (Fill out ARRF, see reverse) NO A-Initials 3 YES PRESERVATION CHECKED ARE SAMPLE DATES AND TIMES CORRECT? WERE ALL THE APPROPRIATE TESTS ASSIGNED?

Temp.Cert.Loss:

te: 11/21/2007 se: 13:26:37

TestAmerica Laboratories Inc. Sample Inventory

Page: 1 Rept: AN0383

| Job No: A07-D562 Client: Camp Dresger and Mckee Project: NY7A9595 SDG: Case: SNO No: No. Samps: 2 | | | | Chain of Cus Sample Sample Tag Hum SMO F | Sen(: YES tody: YES Tags: NO | Cooler Temperature: 2.0°C | | | |
|---|--------------------------------------|----------------------------------|----------------------|---|------------------------------------|---------------------------|-----|--------------|----|
| | | | | | | | | Pres | |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| | 11/21/2007 09:45 11/21/2007 09:45 | MTS-EW-1107 MTS-EW-1107 (DUP) | A7056201 A7056202 | Good Good | 2-11GA 2-11GA | PCBS 608 PCBS HOLD | | 0100 0100 | |

| nple Custodian: | | /20 |
|-----------------|--|-----|
|-----------------|--|-----|

Analytical Report December Sampling Event



ANALYTICAL REPORT

Job#: A07-E421

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

TestAmerica Laboratories Inc.

Jason R. Kacalski Project Manager

12/28/2007



TestAmerica Buffalo Current Certifications

As of 6/15/2007

| 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPLED | | RECEIVED |
|---------------|-------------------|--------|------------|-------|------------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE TIME |
| A7E42101 | | | | | 12/13/2007 08:45 |
| A7E42102 | NTS-EW-1207 (DUP) | WATER | 12/12/2007 | 08:15 | 12/13/2007 08:45 |

METHODS SUMMARY

Job#: A07-E421

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD 608 - POLYCHLORINATED BIPHENYLS

METHOD CFR136 608PCB

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.

SDG NARRATIVE

Job#: <u>A07-E421</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-E421

Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C All samples were received in good condition.

GC Extractable Data

For method 608, Aroclor 1260 exhibited a percent difference greater than 15% from the expected amount in the closing continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

For method 608, all sample extracts and associated quality control required treatment with Copper prior to analysis due to the presence of elemental Sulfur.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacaiski Project Manager

Date

Date: 12/28/2007 Time: 16:05:08

Requested Reporting Limits < Lab PQL

Page: 1 Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 RL | Lab POL |
|--|--|--|--|--|
| <u>Organics</u> | | | | |
| 608PCB 608PCB 608PCB 608PCB 608PCB 608PCB | Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 | UG/L UG/L UG/L UG/L UG/L UG/L | 0.050 0.050 0.050 0.050 0.050 0.050 | 0.060 0.060 0.060 0.060 0.060 0.060 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: TESTAMERICA LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | |
| NTS-EW-1207 | A7E42101 | • | - | _ | CFR136 | - | | | |
| NTS-EW-1207 (DUP) | A7E42102 | • | - | _ | CFR136 | - | - | <u> </u> | |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| NTS-EW-1207 | WATER | 12/12/2007 | 12/13/2007 | 12/14/2007 | 12/15/2007 |
| NTS-EW-1207 (DUP) | WATER | 12/12/2007 | 12/13/2007 | 12/14/2007 | • |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| NTS-EW-1207 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| NTS-EW-1207 (DUP) | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |



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/Aroctor 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.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: <u>TestAmerica Laboratories</u> Con | NTS-EW-1207 |
|--|---|
| Lab Code: RECNY Case No.: SAS | No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7E42101 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Iab File ID: <u>12A12098.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>12/12/2007</u> <u>12/13/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>12/14/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>12/15/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 7.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.047 Ü |
| 11104-28-2Aroclor 1221 | 0.047 U |
| 11141-16-5Aroclor 1232 | 0.047 Ü |
| 53469-21-9Aroclor 1242 | 0.047 U |
| 12672-29-6Aroclor 1248 | 0.047 U |
| 11097-69-1Aroclor 1254 | 0.047 U |
| 11096-82-5Aroclor 1260 | 0.047 U |
| | ohemvis (7 Aroclor) 0.47 iii |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: | TestAmerica Labo | ratories Inc. | Contract: | <u> </u> | | |
|-------------|------------------|---------------|-----------|----------|---------|---|
| Lab Code: | DECNY Cac | e No.: | SAS No.: | | SDG NO | entre de la compte N∎anta de la compte |
| Ean Code. | KECHI CAS | e no.: | ana ku.: | | 300 110 | • |
| GC Columnic | (1): ZB-5 | ID: 0.53 cm | 7) | | | |

| | | | * * <u>* </u> | ·, ` | | | | | |
|--------------------------------------|--------------------------|----------|--|------|------|-----|------|---|-----|
| Client Sample ID | Lab Sample ID | | TCMX | | | 7.7 | | | TOT |
| | | %REC # | %REC # | | | | | (| OUT |
| Natrix Spike Blank | | 56 | 86 | | | | | | 0 |
| Matrix Spike Blk Dup Method Blank | A7B1994502 A7B1994503 | 56 56 | 90 | | | | | | 0 |
| NTS-EN-1207 | A7E42101 | 56 | 79 | | | | | | ŏ |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

| Lab Name: <u>TestAmerica Labora</u> | tories Inc. | Contract: | | Lab Samp ID: <u>A7B19945</u> | | | | | | |
|--|------------------------|-------------------------------|--------------------|------------------------------|----------|--|--|--|--|--|
| Lab Code: <u>RECNY</u> Case No. | : | SAS No.: | | SI | og No. | o (1865) 11 (1865) 1• 1 <u>6 (1865) 14</u> 46 (18 14 (1865) 146 (1865) | | | | |
| Matrix Spike - Client Sample | No.: Method B | <u>lank</u> | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + | | | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.919 1.00 | 92 101 | 58 - 141 56 - 144 | 4.177 | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSED CONCENTRATION UG/L | MSBD % REC # | % RPD # | | C LIMITS | | | | |
| Aroclor 1016 Aroclor 1260 | 1.00 1.00 | 0.940 1.03 | 94 104 | 2 | 30 30 | 58 - 141 56 - 144 | | | | |
| # Column to be used to flag : | | PD values with a | n asteris | k | | | | | | |
| RPD: <u>0</u> out of <u>2</u> outsi Spike recovery: <u>0</u> out of | | limits | | | | | | | | |
| Comments: | | | | | | | | | | |

Client No.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

METHOD BLANK SUMMARY

Method Blank Lab Name: TestAmerica Laborat Contract: SAS No.: ____SDG No.: Lab Code: RECNY Case No.: Lab Sample ID: <u>A7B1994503</u> Lab File ID: 12A12094.TX0 Matrix: (soil/water) WATER Extraction: SEPF Date Extracted: 12/14/2007 Sulfur Cleanup: (Y/N): Y Date Analyzed (1): 12/15/2007 Date Analyzed (2): Time Analyzed (1): 11:46 Time Analyzed (2): _ Instrument ID (2): Instrument ID (1): HP5890-12 GC Column (1): <u>ZB-5</u> Dia: <u>0.53</u> (mm) GC Column (2): ______ Dia: ____ (mm) THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD: LAB CLIENT DATE DATE SAMPLE NO. SAMPLE ID ANALYZED 1 ANALYZED 2 Matrix Spike Blank 12/15/2007 A7B1994501 1 . Matrix Spike Blk Dup 12/15/2007 A7B1994502 NTS-EW-1207 A7E42101 12/15/2007 Comments:

CAMP DRESSER AND MCKEE NIACARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: <u>TestAmerica Laboratories</u> Contr | ract: |
|--|---|
| Lab Code: RECONY Case No.: SAS No | o.:SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7B1994503</u> |
| Sample wt/vol: <u>1000.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A12094.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>12/14/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>12/15/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5 | 0.050 U 0.050 |
| | |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPLED | RECEIVED |
|---------------|-------------------|--------|----------------|---------------------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE TIME | |
| A7E42101 | NTS-EW-1207 | WATER | 12/12/2007 08 | 15 12/13/2007 08:45 |
| A7E42102 | NTS-EW-1207 (DUP) | WATER | 12/12/2007 08: | 15 12/13/2007 08:45 |

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.

METHODS SUMMARY

Job#: <u>A07-E421</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

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SDG NARRATIVE

Job#: A07-E421

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-E421

Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C All samples were received in good condition.

GC Extractable Data

For method 608, Aroclor 1260 exhibited a percent difference greater than 15% from the expected amount in the closing continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

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For method 608, all sample extracts and associated quality control required treatment with Copper prior to analysis due to the presence of elemental Sulfur.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

12/3/107

Date

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.

Chain Of Custody Documentation

Chain of Custody Record



| iTL-4124 (0901) | | | | | | | | | | | | | | | | | | · | | | | | | | |
|--|-------------------|-----------------|-------------|------------------------|---------------|-------|------------|-------------|---------------|--------|---------------|----------|-------------|----------|-------------|----------------|---------------------|-------------|----------------|-----------------|-------------------|--------------------|----------------------------|------------|----------|
| COM | | Project I | Manag | 17 | | 4, | <i>[][</i> | <u>ና</u> | 1 | | | | | | | | ate /2 | 10 | رار | 7 | | ç | hain of Custody Nu 3262 | 30 | <u></u> |
| Address / Copyed Moths | Drive | Telepho 3/ Y | - 4 | mber 3 4 | | Code, | 7 | | 3/ | 7 | 4 | 43 | 57 | 100 |) | 1 | ab Né | | • | | | , | age | of _ | 1 |
| Syracuse My Zig | 3206 | Site Cor | Ī | Zai | M | đ | Lab (| Conta | ct | • | | | | 4 | A | nalys ore s | is (A pace | is n | h list eede | if id) | · · · · · | T | | | |
| Project Name and Location (State) N. Wallace and Sm. Cobk Contract/Purchase Order/Quote No. | KUNY | Carrier | Vaybi } | VIII | ber | iya. | US | | | | | I | 3 | Tan . | | | | | | | | | Special II Condition | nstruct | ions/ |
| Contract/Purchase Order/Guote No. | | | | Mat | rix | | | | ontai eser | | | | | 3 | | | | | | 1 | | | Condition | s OI ME | ғсеірі |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Aë | Aqueous Sed. | POS. | | Unpres. | H2SO4 | HN03 | 3 | MaOH ZnAc/ | NaOH | 828 | A2 | | | | | | | | | | | |
| NTS-EW-1207 | 12/12/07 | 815 | | C | | | X | | | | | | 2 | | · | | | | | | | | detectulu | ulo | 0.05 006 |
| NT3-EW-1207 (DUP) | 14/2/07 | 815 | 1 | C | | | X. | 4 | 4. | 1 | 4 | ┦_ | | 2 | \bot | | $\sqcup \downarrow$ | _ | \downarrow | _ | _ | $oldsymbol{\perp}$ | - | 千 | |
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| | | | + | + | ╁ | Н | \dashv | + | + | + | + | - | | \vdash | + | | \vdash | _ | + | _ | ┪┈ | ╫ | | | |
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| | | | \top | _ | + | | \neg | 1 | + | 1 | \top | + | | | \top | | - | | 1 | | + | + | 1 | | |
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| | · | | | $oldsymbol{\perp}$ | | | | | | | | <u> </u> | | | | | | | | | | | | | |
| Possible Hazard Identification Non-Hazard Flammable Skin Irritant | Poison B |] Unknown | | nple C Retur | • | | 1 | d Di | soosa | ı Bv | Lab . | . 🗖 | Arct | nive Fo | r | | Mont | hs . | (A fe | e may er tha | y be as n 1 mo | ssess onth) | ed if samples are r | etained | |
| Turn Around Time Required 24 Hours 48 Hours 7 Days 14 D | | s L om | | ST | | : | | | | | | Specify | | | | | | | | | | | | | |
| 1. Reliefuistpd By | | Date | 107 | | ime | 0 | | 1. Re | ceirle | | _ | 191 | <i>/</i> ;. | s h | | TAI | | 54 | ıĸ | | | ·. | Date 15/13/07 | Time | 1/0 |
| Relinquit 1960 By | | Date / | 10 | 7/ | ime 173 | U | | 2. Re | Be | d By | <i>y</i> | | 7 | TAL | | BU | _ | -7 | | | | | Date 12/13/07 | Time 08 | 45 |
| 3. Relinquished By | | Date | | | ime | | | 3. Re | ceive | d By | 7 | | | | | | · . | | ٠. | | : | | Date | Time | |
| Comments " Pul Sample an | elmial | 4 cd | 41 | m | v |) | di | He | Lu | — h | v | | - | ~10 | <u>.0</u> | . (| ar | ر ما | l | <u>,</u> . | | | | | |
| NSTRIBUTION: WHITE - Returned to Client with Report: | CANAFIY - Stays w | ith the Strop | le; P | INK - I | ield (| Сору | | | | | | | | T | | | | Ū | _ | 7 | | <u>\</u> 3 | <u> </u> | | |



Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB# E45(|
|--|---------------------------------------|
| Shipment ID | Strict Internal COC: YES /NO |
| | Residual Chlorine Check: |
| | Radiation Check <0.02 mR/hr: YES / NO |
| ACProject / Task _ | NUSA 555511 |
| TAT / SBD/CD # OF SAMPLE | ESTRIP BLANK VIN # |
| SHIPPED BY | ATTACH SHIPPING TAGS |
| RECEIVED DATE / TIME: | 11/13/0) 08:45 |
| COOLER TEMP 4-5.0°C (4+/-2°C |) OK NO |
| Cooler Custody Seal intact? VES/NO NON | |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) |
| SUBCONTRACT YES NO LAB | SM # |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE |
| Sample received outside hold time | |
| Headspace in VOA vials | |
| Problems with bottle labels | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out | ARRF, see reverse) |
| | |
| PRESERVATION CHECKED YES | NO NA Initials |
| ARE SAMPLE DATES AND TIMES CORRECT? | Initials & C |
| WERE ALL THE APPROPRIATE TESTS ASSIGN | ED? Initials |
| Town Cart Lass | |

te: 12/13/2007 me: 12:30:37

TestAmerica Laboratories Inc. Sample Inventory Page: 1 Rept: ANO383

| Job No: A07-E Client: Camp Project: NY7A9 SDG: Case: SMO No: No. Samps: 2 | Dresser and Mckee | | | Radiation Check Custody Seal Chain of Custody Sample Tags Sample Tag Numbers SMO Forms CLSIS | YES YES NO NO NO | Cooler Temperature: 40 | 2.0°C | | |
|---|--------------------------------------|----------------------------------|----------------------|--|------------------------------|------------------------|-------|--------------|--|
| | | | | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition Bo | ttles | Parameters | Lab | Code | PH |
| | 12/13/2007 08:45 12/13/2007 08:45 | NTS-EW-1207 NTS-EW-1207 (DUP) | A7E42101 A7E42102 | | 1 LGA 1 LGA | 608 PCBS (EXTR+HOLD) | | 0100 0100 | ; |

| and the second second | | | |
|-----------------------|------|-------|-----|
| . 1_ | 3C _ | 12 (3 | * > |
| ple Custodian: | | / | |

| nalytical Services | Coordinator: | | /20 |
|--------------------|--------------|--|-----|
| | | | |

DUSR & Analytical Report April Semi-Annual Sampling Event

Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

September 24, 2007

Matthew Millias CDM One General Motors Dr. Suite 2 Syracuse, NY 13206

RE: Data Usability Summary Report for NMPC O&M, Wallace & Sons-Cobleskill site STL-Buffalo Job No. A07-3736

Dear Mr. Millias:

Review has been completed for the data package generated by Severn Trent Laboratories, Inc. that pertains to samples collected 4/10/07 at the NMPC Cobleskill site. Three aqueous samples and a field duplicate were processed for low level TCL PCBs by USEPA CFR 136 method 608, with additional QC requirements of the NYSDEC ASP.

The data package submitted contains full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the NMPC generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Field Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrument IDLs
- * Sample Quantitation and Identification

The items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample analyte values/reporting limits are usable as reported.

Copies of the laboratory case narratives and the sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report. Also included with this narrative are sample result forms.

TCL PCBs by EPA 608

Holding times were met, and surrogate recoveries are within required limits. Blanks show no contamination.

The matrix spikes of Aroclors 1016 and 1260 in C-20-0407 show acceptable recoveries and duplicate correlations. Blind field duplicate correlations of C-21-0407 were also with within guidance limits.

An outlying surrogate calibration standard response that was observed does not negatively impact the results of the samples.

The confirmation column calibration standards responses fall well outside acceptable limits. However, the samples report no detection based upon acceptable primary column performance, and the confirmation column data are therefore not necessary.

Data Completeness

Although required of the laboratory deliverables, raw data are not identified with the client ID.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification".
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

LABORATORY SAMPLE IDs AND CASE NARRATIVES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | | | | | | | | | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|--------|--------------|---|--|--|--|--|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | | | | |
| C-20-0407 | A7373601 | • | | - | CFR136 | - | | | | | | |
| C-20-0407 DUP | A7373602 | - | - | - | CFR136 | | • | • · · · · · · · · · · · · · · · · · · · | | | | |
| C-21-0407 | A7373603 | _ | - | • | CFR136 | - | _ | - | | | | |
| C-21-0407 DUP | A7373604 | _ | - | • | CFR136 | - | - | <u>-</u> | | | | |
| C-22-0407 | A7373605 | - | | • . | CFR136 | - | - | | | | | |
| C-22-0407 DUP | A7373606 | - . | - | | CFR136 | - | • | | | | | |
| FD-0407 | A7373607 | • | - | • | CFR136 | - | | - | | | | |
| FD-0407 DUP | A7373608 | - | - | • | CFR136 | - | • | • | | | | |

NYSDEC-1

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

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QUALIFIED REPORT FORMS

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| | C-20-0407 |
|---|--|
| Lab Name: <u>STL Buffalo</u> Contr | act: |
| Lab Code: RECNY Case No.: SAS No | .: SDG No.: |
| Matrix: (soil/water) WATER | Lab Sample ID: A7373601 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>7A28180.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/10/2007 04/13/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>04/15/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/16/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCEMIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.061 U |
| 11104-28-2Amodor 1221 | 0.061 U |
| 11141-16-5Aroclor 1232 | 0.061 U |
| 53469-21-9Aroclor 1242 | 0.061 U |
| 12672-29-6Aroclor 1248 | 0.061 U |
| 11097-69-1Aroclor 1254 | 0.061 U |
| 11096-82-5Aroclor 1260 | 0.061 U |
| Total Polychlorinated Biphe | enyls 0.094 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHIORINATED BIPHENYLS ANALYSIS DATA SHEET

| Tab Name CAT Distrale | | 21-0407 |
|--|--|----------------------------|
| Lab Name: STL Buffalo Contract: | | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: | |
| Matrix: (soil/water) WATER | Lab Sample ID: A73 | 373603 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: 7A2 | 8182.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/ | <u> 10/2007 04/13/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/ | 15/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/ | 16/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/ | и) <u>й</u> |
| | ONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U | |
| 1 | .) | 1 |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

v *, 0 7,

| Lab Name: STL Buffalo Contra | C-22-0407 |
|--|--|
| Teb Watte. Sin Durtaro Colicia | CC: |
| Lab Code: RECNY Case No.: SAS No. | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>A7373605</u> |
| Sample wt/vol: <u>1060.00</u> (g/mL) ML | Lab File ID: <u>7A28183.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/10/2007 04/13/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/15/2007 |
| Concentrated Extract Volume: 2000 (uL) | Date Analyzed: 04/16/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U |
| | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M MEIHOD 608 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

N 77 91 17 6

| Lab Name: <u>STL Buffalo</u> Contrac | | D-0407 |
|--|---|------------------------------------|
| concrate | CC: | |
| Lab Code: <u>RECONY</u> Case No.: SAS No. | : SDG No.: | |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A | 7373607 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: 7 | A28184.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04 | <u>4/10/2007</u> <u>04/13/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04 | <u>4/15/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04 | <u>4/16/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor: _ | 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (| A\N) Й |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 0.061 0.061 0.061 0.061 0.061 | บ บ บ บ บ บ บ |
| | | |

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: <u>A07-3736</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

STL Buffalo

Jason R. Kacalski Project Manager

05/03/2007

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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 |
| lowa | 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, RGRA, 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIVE | ₃D |
|---------------|------------------|--------|------------|-------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MAIRIX | DATE | TIME | DATE | TIME |
| A7373601 | C-20-0407 | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373602 | C-20-0407 DUP | WATER | | | 04/13/2007 | |
| A7373602MS | C-20-0407 DUP | WATER | | | 04/13/2007 | |
| A7373602SD | C-20-0407 DUP | WATER | | | 04/13/2007 | |
| A7373601MS | C-20-0407 MS | WATER | | | 04/13/2007 | |
| A7373601SD | C-20-0407 SD | WATER | | | 04/13/2007 | |
| A7373603 | C-21-0407 | WATER | | | 04/13/2007 | |
| A7373604 | C-21-0407 DUP | WATER | 04/10/2007 | 11:05 | 04/13/2007 | 09:30 |
| A7373605 | C-22-0407 | WATER | 04/10/2007 | 12:00 | 04/13/2007 | 09:30 |
| A7373606 | C-22-0407 DUP | WATER | 04/10/2007 | 12:00 | 04/13/2007 | 09:30 |
| A7373607 | FD-0407 | WATER | 04/10/2007 | | 04/13/2007 | 09:30 |
| A7373608 | FD-0407 DUP | WATER | 04/10/2007 | | 04/13/2007 | 09:30 |

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.

METHODS SUMMARY

Job#: A07-3736

SIL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

ANALYTICAL

PARAMETER

METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS

CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|--------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| C-20-0407 | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| C-20-0407 DUP | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| C-21-0407 | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| C-21-0407 DUP | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| C-22-0407 | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| C-22-0407 DUP | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| FD-0407 | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |
| FD-0407 DUP | WATER | 04/10/2007 | 04/13/2007 | 04/15/2007 | 04/16/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|--------------------------|--------|------------------------|----------------------|-----------------------|--------------------|
| C-20-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| C-20-0407 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| C-21-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| C-21-0407 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| C-22-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| C-22-0407 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| FD-0407 | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |
| FD-0407 DUP | WATER | CFR136 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

SDG NARRATIVE

Job#: A07-3736

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-3736

Sample Cooler(s) were received at the following temperature(s); 404.0 °C Lab: Please filter the "DUP" volume prior to extraction.

GC Extractable Data

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski

Project Manager

Date

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.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|--|--|--|
| | · | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY | | | |
| C-20-0407 | A7373601 | | - | - | CFR136 | | - | | | | |
| C-20-0407 DUP | A7373602 | - | - | _ | CFR136 | - | _ | <u> </u> | | | |
| C-21-0407 | A7373603 | - | - | - | CFR136 | | - | | | | |
| C-21-0407 DUP | A7373604 | - | - | | CFR136 | - | <u>.</u> | • | | | |
| C-22-0407 | A7373605 | - | _ | _ | CFR136 | - | - | - | | | |
| C-22-0407 DUP | A7373606 | • | , | - | CFR136 | - | - | - | | | |
| FD-0407 | A7373607 | - | - | - | CFR136 | - | | - | | | |
| FD-0407 DUP | A7373608 | - | - | • | CFR136 | - | - | • | | | |

NYSDEC-1



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 aidol-condensation product.
- 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.

| Lab Name: STL Buffalo Contrac | t: |
|--|--|
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7373601 |
| Sample wt/vol: <u>1060.00</u> (g/mL) ML | Lab File ID: <u>7A28180.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/10/2007 04/13/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/15/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/16/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: 1.00 |
| GPC Clearup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U |

| ct: |
|---|
| ···· |
| SDG No.: |
| Lab Sample ID: <u>A7373603</u> |
| Lab File ID: <u>7A28182.TX0</u> |
| Date Samp/Recv: 04/10/2007 04/13/2007 |
| Date Extracted: 04/15/2007 |
| Date Analyzed: 04/16/2007 |
| Dilution Factor:1.00 |
| Sulfur Cleanup: (Y/N) N |
| CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U 0.061 U |
| |

| C-22-0407 Cabo Name: STL Buffalo Contract: C-22-0407 Cabo No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: SDG No.: | |
|--|--|
| Matrix: (soil/water) WATER Lab Sample ID: A7373605 Sample wt/vol: 1060.00 (g/mL) ML & Moisture: decanted: (Y/N) N Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Samp/Recv: 04/10/2007 04/13 Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 04/15/2007 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 04/16/2007 Injection Volume: 1.00 (uL) Dilution Factor: 1.00 GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | Lab Name: <u>STL Buffalo</u> |
| Sample wt/vol: | Lab Code: <u>RECNY</u> Case No.: |
| % Moisture: | Matrix: (soil/water) <u>WATER</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 04/15/2007 Concentrated Extract Volume:2000 (uL) Date Analyzed: 04/16/2007 Injection Volume:1.00 (uL) Dilution Factor:1.00 GPC Cleanup: (Y/N) N pH: _6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | Sample wt/vol: <u>1060.00</u> (g/m |
| Concentrated Extract Volume:2000 (uL) Date Analyzed:04/16/2007 Injection Volume:1.00 (uL) Dilution Factor:1.00 GPC Cleanup: (Y/N) N pH:6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 | % Moisture: decanted: |
| Injection Volume:1.00 (uL) Dilution Factor:1.00 GPC Cleanup: (Y/N) N pH: _6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | Extraction: (SepF/Cont/Sonc/Soxh |
| GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | Concentrated Extract Volume:2 |
| CONCENTRATION UNITS: (ug/L or ug/kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | Injection Volume:1.00(uL) |
| CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 12674-11-2Aroclor 1016 0.061 U 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | GPC Cleanup: (Y/N) N pH: 6.00 |
| 11104-28-2Aroclor 1221 0.061 U 11141-16-5Aroclor 1232 0.061 U | CAS NO. COMPOUND |
| 12672-29-6Aroclor 1248 0.061 U 11097-69-1Aroclor 1254 0.061 U 11096-82-5Aroclor 1260 0.061 UTotal Polychlorinated Biphenyls 0.094 U | 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 |

| Inh Name. CTT Diffele | FD-0407 |
|--|--|
| Lab Name: STL Buffalo Con | tract: |
| Lab Code: RECNY Case No.: SAS | No.: SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7373607 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: 7A28184.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 04/10/2007 04/13/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/15/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/16/2007 |
| Injection Volume:1.00(uL) | Dilution Factor:1.00 |
| GPC Clearup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 | 0.061 U 0.061 U 0.061 U 0.061 U |
| Total Polychlorinated Bi | phenyls 0.094 U |

CAMP DRESSER AND MCKEE NIAGARA MOHANK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | | Contract: | | |
|------------------------------|------------|----------------------|-----------|--------------|--|
| Lab Code: RECNY | Case | No.: | SAS No.: | SDG No.: | |
| GC Column(1): <u>28-5</u> | <u> 30</u> | 1D: <u>0.53</u> (mm) | | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT OUT |
|-----|--------------------|---|--------|----------------|--------|--------|--------|---|---------|----------|------------|
| | | ======================================= | ====== | 222222 | ====== | ====== | ====== | | 2222222 | ====== | === |
| 1 | C-20-0407 | A7373601 | 77 | 99 | | [. | | | | [| 0 |
| 2 | C-20-0407 MS | A7373601MS | 76 | 102 | ' | ' | |] | | ! | 0 |
| 3 | C-20-0407 SD | A7373601SD | 75 | 100 | | | | | | [] | 0 |
| 4 | C-21-0407 | A7373603 | 86 | 104 | | | | | | | 0 |
| - | C-22-0407 | A7373605 | 84 | 96 | | | | | [| | 0 |
| - , | FD-0407 | A7373607 | 83 | 97 | | ' | | ĺ | | | 0 |
| | Matrix Spike Blank | A7B0531601 | 75 | 100 | | | | | | | 0 |
| 8 | Method Blank | A7B0531602 | 66 | 90 | | | | | | | 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 608 - POLYCHLORINATED BIPHENYLS WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

| Lab Code: <u>RECNY</u> Case No.: Matrix Spike - Client Sample N | | SAS No.: _ | | S | EDG No. | · |
|---|------------------------|---------------------------------|-----------------------|---------------|------------------|----------------------|
| Matrix Spike - Client Sample N | , | 7 | | | | |
| | SPTKE | | | | | |
| COMPOUND | ADDED UG/L | SAMPLE CONCENTRATION UG/L | MA CONCENTA UG/ | RATION | MS % REC # | QC LIMITS REC. |
| Aroclor 1016 Aroclor 1260 | 0.943 0.943 | 0 0 | | L.02 D.848 | 109 90 | 58 - 141 56 - 144 |
| COMPOUND | SPIKE ADDED UG/L | MSD CONCENTRATION UG/L | MSD % REC # | | RPD | C LIMITS REC. |
| Aroclor 1016 Aroclor 1260 | 0.943 0.943 | 0.998 | 106 94 | 3 4 | 1 | 58 - 141 56 - 144 |
| # Column to be used to flag re * Values outside of QC limits RPD:0 out of2 outside Spike recovery:0 out of Comments: | e limits | | ı asteris | 5 | <u> </u> | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS

WATER MATRIX SPIKE BLANK RECOVERY

| Lab Name: STL Buffalo | | Contract: | | _ Lab Samp ID: <u>A780531602</u> | | | | | | | | |
|---|----------------------------|------------------------------|-------------------|----------------------------------|---|--|--|--|--|--|--|--|
| Lab Code: RECNY Case No | .: | SAS No.: | | SDG No.: | | | | | | | | |
| Matrix Spike - Client Sampl | e No.: <u>Method B</u> | <u>lank</u> | | | | | | | | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | | + | | | | | | | |
| Aroclor 1016Aroclor 1260 | 1.00 1.00 | 1.08 1.07 | 109 108 | 58 - 141 56 - 144 | = | | | | | | | |
| # Column to be used to flag * Values outside of QC limi | _ | PD values with ar | n asteris | sk | | | | | | | | |
| Spike recovery:0 out o | f <u> 2</u> outside | limits | | | | | | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 608 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

| Tab Mama | CET Duffalo | | Method Blank | | | | | | |
|---------------------------------|--|--|--|--------------------|------|--|--|--|--|
| Lab Name: | STL Buffalo | contract: _ | | | | | | | |
| Lab Code: | RECNY Case No.: | _ SAS No. | : S | SDG No.: | | | | | |
| Lab Sample | D: A7B0531602 | Lab | File ID: <u>7A28</u> | 178.TX0 | | | | | |
| Matrix: (s | soil/water) <u>WATER</u> | Extr | action: | SEPF | | | | | |
| Sulfur Cle | eanup: (Y/N): <u>N</u> | Date | Extracted: | 04/15/2007 | | | | | |
| Date Analy | zed (1): <u>04/16/2007</u> | Date | Analyzed (2) | : | | | | | |
| Time Analy | zed (1): <u>19:48</u> | Time | Analyzed (2) | (2): | | | | | |
| Instrument | ID (1): <u>HP6890-7</u> | Inst | ; | - | | | | | |
| GC Column | (1): <u>ZB-5</u> 30 Dia: <u>0</u> . | <u>53</u> (mm) GC C | olumn (2): | Dia: | (mm) | | | | |
| 7 | THIS METHOD BLANK APPLIE | S TO THE FOL | LOWING SAMPLES | S, MS AND MSD: | | | | | |
| · | } | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 | | | | | |
| 1 2 3 4 5 6 7 | C-20-0407 C-20-0407 MS C-20-0407 SD C-21-0407 C-22-0407 FD-0407 Matrix Spike Blank | A7373601 A7373601MS A7373601SD A7373603 A7373605 A7373607 A7B0531601 | 04/16/2007 04/16/2007 04/16/2007 | | | | | | |
| Comments: | | | | | | | | | |

| Lab Name: STL Buffalo Contra | Method Blank |
|--|--|
| ran rane: <u>Sth Burraro</u> Colleis | iuu; |
| Lab Code: REXINY Case No.: SAS No | SDG No.: |
| Matrix: (soil/water) WATER | Lab Sample ID: <u>A7B0531602</u> |
| Sample wt/vol: 1000.00 (g/mL) ML | Lab File ID: 7A28178.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 04/15/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 04/16/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 | 0.065 U |
| 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 | 0.065 U 0.065 U |
| 53469-21-9Aroclor 1242 | 0.065 U |
| 12672-29-6Aroclor 1248 | 0.065 U |
| 11097-69-1Aroclor 1254 | |
| 11096-82-5Aroclor 1260 | 0.065 U |
| Total Polychlorinated Biphe | enyls 0.10 U |

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|-------------------------|------------|---------------|-----------|---------------------|------------------|-------------|---------------|----------------|-----------|----------|-------------|---------|--------------|--------------------|----------------|----------|----------|-------------|---------------|--------------|----------|------------------|
| Client | | Proje | ct Mana | ager | | 11 | 71 3 | , _ | | | | | | | Dat | | 1 | - | - { | Chain of C | ustody N | umber 7 C | | |
| CDM | | | ohone N | <u></u> | ath | | <u>i NiÇ</u> | 2 | | | | | | | | TĮ IC Numi | /o- | <u>/</u> | | | <u> </u> | 10 | | |
| 1 General Motors DA | ra el. | 1 SI | 5-4 | iumber スピー | (Area | Coae)/ | rax ivi | umbei マバ | | 463 | 3.57 | ഗവ | | | Lab | Nume | er | | | Page | l | ot (| | |
| City State Zip | Code | Site | Contact | <u>-1</u> | سعر | 1 | ab Co | ntact | | 1 | | Ť | ğ | A | nalysis | (Atta | ch list | if | | 1 | | | | |
| Syracuse Myl 1 | 3206 | Ti | u B. | بالانديا | wut | | | | | | | - | 4 | me | ore spa | ce is | neede | d) | | | | | | |
| Project Name and Location (State) | | | | | | | | | | | | ٦. | £ | | | - | 1 | | | 1 | | | | |
| Marallace and Son the Cohler | reel n | <i>.</i> 7 | <u>qli</u> | 70-C | 11 | | | | | | | 27 | l ∞(l | | | 1 | | | | | | Instructio | | |
| Contract/Purchase Order/Quote No. | | | | / Ma | | ĺ | | | taine erva | ers & tives | | 200 | 2808 | ĺ | 1 1 | | | | 11 | | ondition | s of Red | ceipt | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Ji. | Aqueous | Soil Se | | Unpres. H2SO4 | HNO3 | HC! | NaOH | NaOH | P. S. | | | | | | | | | | | | |
| C-20-0407 MS/MSD | 4/10/07 | 1000 | \uparrow | X | | | 6 | | | | | × | | † | | 1 | 1 | 7 | | cle ha | tus li | mit ch | 0.05 | pok |
| C.20.0407"DOP" MS / MSD | 1 | 1000 | | Х | | | 3 | | | | | | x | | | | | | | | | 1 | | ., |
| C-21-0407 | | 1105 | | X | | ĺ | 2 | | | | | Х | | | | | | | | | | | | |
| C-21-0467 " DOP" | | 1105 | | Х | | | i _ | | | | | | X | | | | | | Ш | | i | | | |
| C-22-0407 | | 1200 | | Х | | | 2 | | | | | X | | \perp | | $oldsymbol{\perp}$ | Ш | | | | <u>-</u> | | | |
| C-22-0407 " DUP" | | 1200 | \perp | X | \perp | | <u> </u> | | | | | | X | 1 | | | | | | | | | | |
| FD-0407 | | | | X | | | 2 | | | | | X | | L | | \perp | | | | | | | | |
| FD-0407 "AUP" | | | | Х | | | <u> </u> | | | | | | X | | | | | _ | <u> </u> | | | <u>└</u> | | |
| | | | | | ┵ | | | \bot | | | | <u> </u> | | 1 | | | | | | | | _ | | |
| | | <u> </u> | | | | | | | | | | | | \perp | | | | | | | | | | |
| | | | | | | | | | | | | | | \perp | | | | | | | | | | |
| | | | ! | | | | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification | _ | _ | L | ample i | • | | _ | - | | | | _ | | | | | (A fe | e may t | e asse. | ssed if san | npies are | retained | | |
| Non-Hazard | Poison B | Unkno | wn L | Retu | rn To | Client | | | | y Lab | (Speci | | ive Fo | _ | M | onins | longe | er than | 1 month | " | | | | |
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| 2. Reingdished By | | Date | | 07 | Time | . 36 | 2 | Rece | ivod | βγ | | | | | | | | | | Date | 2/05 | Time | 3 & | 29/ _/ |
| 3. Relinquished By | ., | Dale | | | Time | | | Rece | ived E | Ву | | | | | | | | | • | Dale | ' | Time | | 296 |
| Comments | <i>O</i> 1 | | | | | | Щ. | | | | | | | | | | * . | | | <u></u> | | <u>- d</u> | ~ · | |
| DISTRIBUTION: WHITE Returned to Client with Report: | CANARY SH | t (M) ys with the Sa | Minole: | U PINK - | Field (| <u>Kiri</u> Copy | <u>د د</u> | U | <u>CL</u> | te | i H | u | 4 | M | 2 <i>p</i> 2 | 1/1 | any | . 52 | amp | 24 r | | e4. | <u>U</u> | <u> </u> |

Chain Of Custody Documentation

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the laboratory Manager or his/her designee, as verified by the following signature."

Jason R. Kacalski Project Manager

Date

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.

SDG NARRATIVE

Job#: A07-3736

SIL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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

A07-3736

Sample Cooler(s) were received at the following temperature(s); 4@4.0 °C Lab: Please filter the "DUP" volume prior to extraction.

GC Extractable Data

For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are well within the quality control limits. In the technical judgment of the laboratory, the sample data has not been impacted and no corrective action is required.

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.

METHODS SUMMARY

Job#: <u>A07-3736</u>

STL Project#: NY7A9595

Site Name: Niagara Mohawk O & M

PARAMETER ANALYTICAL METHOD

METHOD 608 - POLYCHLORINATED BIPHENYLS CFR136 608PCB

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SAMPLE SUMMARY

| | | | SAMP! | LED | RECEIVI | <u> </u> |
|---------------------|------------------|---------------|------------|-------|------------|----------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | <u>MATRIX</u> | DATE | TIME | DATE | TIME |
| A7373601 | C-20-0407 | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373602 | C-20-0407 DUP | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373602MS | C-20-0407 DUP | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373602 <i>S</i> D | C-20-0407 DUP | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373601MS | C-20-0407 MS | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373601 <i>S</i> D | C-20-0407 SD | WATER | 04/10/2007 | 10:00 | 04/13/2007 | 09:30 |
| A7373603 | C-21-0407 | WATER | 04/10/2007 | 11:05 | 04/13/2007 | 09:30 |
| A7373604 | C-21-0407 DUP | WATER | 04/10/2007 | 11:05 | 04/13/2007 | 09:30 |
| A7373605 | C-22-0407 | WATER | 04/10/2007 | 12:00 | 04/13/2007 | 09:30 |
| A7373606 | C-22-0407 DUP | WATER | 04/10/2007 | 12:00 | 04/13/2007 | 09:30 |
| A7373607 | FD-0407 | WATER | 04/10/2007 | | 04/13/2007 | 09:30 |
| A7373608 | FD-0407 DUP | WATER | 04/10/2007 | | 04/13/2007 | 09:30 |

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.

SDG Narrative

Sample Data Package

STL Buffalo

Doc. Login/ARRF - Side A

Rev 3

| | | /2005 | | | | |
|--|-------------------------------|----------|--|--|--|--|
| SAMPLE LOGIN | JOB# ?>3 | 6 | | | | |
| Shipment ID | Strict Internal COC: | YES NO | | | | |
| | Residual Chlorine Check: | | | | | |
| | Radiation Check < 0.02 mR/hr: | YES / NO | | | | |
| AC 71530 Project / Task | Ny 749 595 1 | | | | | |
| TAT SD/ CD # OF SAMPLES TRIP BLANK WIN # | | | | | | |
| SHIPPED BY Feder | ATTACH SHIPPING TA | GS | | | | |
| RECEIVED DATE / TIME: | 4,130> 00 | 2:30 | | | | |
| COOLER TEMP 404.0°C (4+/-2°C) OK NO | | | | | | |
| Cooler Custody Seal intact? YES/NO NONE SEAL# | | | | | | |
| If NO to cooler temp or seal, PM notified? YES (PM Name) | | | | | | |
| SUBCONTRACT YES/NO LAB SM# | | | | | | |
| COMMENTS: SAMPLE TIME ACTUAL +1HR +2 HR +3 HR NONE | | | | | | |
| Sample received outside hold time | | | | | | |
| Headspace in VOA vials | | | | | | |
| Problems with bottle labels | | | | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out ARRF, see reverse) | | | | | | |
| | | | | | | |
| ARE SAMPLE DATES AND TIMES CORRECT? Initials | | | | | | |
| WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials | | | | | | |
| Temp.Cert.Loss: | | | | | | |

Date: 04/13/2007 Time: 11:55:02 STL Buffalo Sample Inventory Page: 1 Rept: AN0383

Job No: A07-3736

Client: Camp Dresser and Mckee

Project: NY7A9595

SDG:
Case:
SMO No:
No. Samps: 1

Radiation Check: YES
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

| | } | | | | | | | Pres | log |
|--------|--|--|--|----------------------|--|--|----------------------------------|---|-----|
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| | 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 4/13/2007 09:30 | C-20-0407 C-20-0407 C-20-0407 DUP C-20-0407 DUP C-20-0407 DUP C-21-0407 C-21-0407 DUP C-22-0407 C-22-0407 DUP FD-0407 | A7373601MS A7373601SD A7373602 A7373602MS A7373602SD A7373603 A7373604 A7373605 A7373606 A7373607 | Good Good Good | 2-11GA 2-11GA 2-11GA 1-11GA 1-11GA 2-11GA 2-11GA 2-11GA 2-11GA 2-11GA 1-11GA | PCBS PCBS PCBS PCBS (EXTRACT+HOLD) PCBS (EXTRACT+HOLD) PCBS (EXTRACT+HOLD) PCBS PCBS (EXTRACT+HOLD) PCBS PCBS (EXTRACT+HOLD) PCBS PCBS (EXTRACT+HOLD) PCBS PCBS (EXTRACT+HOLD) | RECNY RECNY RECNY RECNY | 0100 0100 0100 0100 0100 0100 0100 010 | |

| cample Custodian: | ample Custodian: 4/3/2005 | Analytical Services Coordinator: | /20 |
|-------------------|---------------------------|----------------------------------|-----|
|-------------------|---------------------------|----------------------------------|-----|

Preservation Code References:

DUSR & Analytical Report October Semi-Annual Sampling Event

Data Validation Services

120 Cobble Creek Road P.O. Box 208 North Creek, NY 12853

> Phone 518-251-4429 Facsimile 518-251-4428

December 18, 2007

Matthew Millias CDM One General Motors Dr. Suite 2 Syracuse, NY 13206

RE:

Data Usability Summary Report for NMPC O&M, Wallace & Sons-Cobleskill site

STL-Buffalo Job No. A07-B339

Dear Mr. Millias:

Review has been completed for the data package generated by Test America Laboratories, Inc. that pertains to samples collected 10/02/07 at the NMPC Cobleskill site. Three aqueous samples and a field duplicate were processed for low level TCL PCBs by USEPA SW846 method 8082, with additional QC requirements of the NYSDEC ASP.

The data package submitted contains full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the NMPC generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Field Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrument IDLs
- * Sample Quantitation and Identification

The items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample analyte values/reporting limits are usable, with reporting limits edited upward to reflect the processing.

Copies of the laboratory case narrative and the sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report. Also included with this narrative are sample result forms, reflecting the reporting limit adjustment.

TCL PCBs by EPA 608

The reporting limits for the non-detected Aroclors have been raised to 0.10 ug/L from 0.065 ug/L, to reflect the lowest concentration supported by the instrument calibration range.

Holding times were met, and surrogate recoveries are within required limits. Blanks show no contamination.

The matrix spikes of Aroclors 1016 and 1260 in C-20-1007 show acceptable recoveries and duplicate correlations. Blind field duplicate correlations of C-21-1007 were also with within guidance limits.

An outlying surrogate calibration standard response that was observed does not negatively impact the results of the samples.

Both analytical columns show elevated responses for Aroclor 1260 in one of the calibration standards. The sample results report no detection, and are therefore not affected. Other confirmation column calibration standards responses fall outside acceptable limits. However, the non-detected results are based upon acceptable primary column performance, and the confirmation column data are therefore not necessary.

The chromatograms are not scaled according to ASP requirements, but are normalized to a solvent peak. Therefore, independent verification of the reported non-detected results is not possible.

Data Package Completeness

Although required of the laboratory deliverables, raw data are not identified with the client ID.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit.

 However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

4

LABORATORY SAMPLE IDs AND CASE NARRATIVES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

The second second

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANÂLYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| C-20-1007 | A7B33901 | - | 1 V4 3 C | | SW8463 | _ | - | - |
| C-20-1007"DUP" | A7B33902 | • | - | - | SW8463 | - | - | |
| C-21-1007 | A7B33903 | . 1 | - | • | SW8463 | - | | |
| C-21-1007"DUP" | A7B33904 | - | • | _ | SW8463 | | | - |
| C-22-1007 | A7B33905 | • | • | _ | SW8463 | - | - | <u>-</u> |
| C-22-1007"DUP" | A7B33906 | - | - | | SW8463 | - | _ | - |
| FD-1007 | A7B33907 | | - | - | SW8463 | - | - | - |
| FD-1007"DUP" | A7B33908 | | - | - | SW8463 | - | - | |

NYSDEC-1

SDG NARRATIVE

Job#: <u>A07-B339</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-B339

Sample Cooler(s) were received at the following temperature(s); $2.0\,^{\circ}$ C All samples were received in good condition.

GC Extractable Data

For method 8082, several compounds exhibited a percent difference greater than 15% from the expected amount in the ending continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

with the agency cally to

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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason/R. Kacalski Project Manager

Date

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.

QUALIFIED REPORT FORMS

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.
- 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.

| | C-20-1007 |
|---|--|
| Lab Name: <u>SIL Buffalo</u> Contrac | it: |
| Lab Code: <u>RECNY</u> Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7833901 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A07069.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 10/02/2007 10/04/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 10/07/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 10/08/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Bipher | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |

| I oh Name (CIIII Treffole | C-21-1007 |
|--|--|
| Lab Name: STL Buffalo Contract: | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7B33903 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>12A07074.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>10/02/2007</u> <u>10/04/200</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>10/07/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>10/08/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| | ONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphenyls | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contrac | t: |
|---|---|
| was. <u>Dir ration</u> | |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7B33905 |
| Sample wt/vol:1060.00 (g/mL) ML | Lab File ID: <u>12A07075.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>10/02/2007</u> <u>10/04/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 10/07/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: 10/08/2007 |
| Injection Volume: 1.00 (uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphem | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contrac | FD-1007 |
|---|--|
| Tab Nate: SIL Burraro Contrac | il: |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) WATER | Lab Sample ID: A7B33907 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A07076.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 10/02/2007 10/04/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>10/07/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>10/08/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphen | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |

CAMP DRESSER AND MCKEE NIAGARA MOHANK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: STL Buffalo | | Contract: | _ |
|----------------------------|--------------------|-----------|----------|
| Lab Code: RECNY | Case No.: | SAS No.: | SDG No.: |
| GC Column(1): <u>ZB-35</u> | 1D: <u>0.53</u> (m | n) | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | 342222 | | ====== | ======= | | 222222 | TOT |
|---|--------------------|---------------|-----|----------------|--------|-----|--------|---------|---|----------|-----|
| 1 | C-20-1007 | A7833901 | 64 | 92 | } | | | | ĺ | (· | 0 |
| 2 | C-20-1007 MS | A7B33901MS | 54 | 104 | i | } | | | { | (| 0 |
| 3 | C-20-1007 SD | A7833901SD | 59 | 112 | 1 | 1 | | | } | [| 0 |
| 4 | C-21-1007 | A7B33903 | 100 | 118 | 1 | • | | | , | [| 0 |
| 5 | C-22-1007 | A7B33905 | 78 | 104 | · | | | | | | 0 |
| 6 | FD-1007 | A7833907 | 74 | 114 | j ' | | | | | | 0 |
| 7 | Matrix Spike Blank | A781572501 | 82 | 109 |) | | | | | | 0 |
| 8 | Method Blank | A781572502 | 96 | 110 |) | j ' | | | | | 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145)

(25-152)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

STL

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.sti-inc.com

ANALYTICAL REPORT

Job#: A07-B339

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>
Task: Wallace & Sons Scrapyard

Timothy Beaumont CDM One General Motors Dr. STE 2 Syracuse, NY 13206

SIL Buffalo

Jason R. Kacalski Project Manager

10/17/2007

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.

STL Buffalo Current Certifications

As of 5/16/2007

| STATE | Program | Gert # / 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 Data Summary Package

SAMPLE SUMMARY

| | | | SAMPI | ED | RECEIVI | ED |
|---------------|-------------------|--------|------------|-------|------------|-----------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7B33901 | C-20-1007 | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33901MS | C-20-1007 MS | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33901SD | C-20-1007 SD | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33902 | C-20-1007"DUP" | WATER | | | 10/04/2007 | |
| A7B33902MS | C-20-1007"DUP" MS | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33902SD | C-20-1007"DUP" SD | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33903 | C-21-1007 | WATER | 10/02/2007 | 12:30 | 10/04/2007 | 13:00 |
| A7B33904 | C-21-1007"DUP" | WATER | 10/02/2007 | 12:30 | 10/04/2007 | 13:00 |
| A7B33905 | C-22-1007 | WATER | 10/02/2007 | 13:25 | 10/04/2007 | 13:00 |
| A7B33906 | C-22-1007"DUP" | WATER | 10/02/2007 | 13:25 | 10/04/2007 | 13:00 |
| A7B33907 | FD-1007 | WATER | 10/02/2007 | | 10/04/2007 | 13:00 |
| A7B33908 | FD-1007"DUP" | WATER | 10/02/2007 | | 10/04/2007 | 13:00 |

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METHODS SUMMARY

Job#: A07-B339

Project#: NY7A9595

Site Name: <u>Niagara Mohawk O & M</u>

| | ANALYTICAL |
|---|----------------|
| PARAMETER | METHOD |
| METHOD 8082 - PCB | SW8463 8082LOW |
| METHOD 8082 - POLYCHLORINATED BIPHENYLS | SW8463 8082LOW |

References:

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: A07-B339

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-B339

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

GC Extractable Data

For method 8082, several compounds exhibited a percent difference greater than 15% from the expected amount in the ending continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jason/R. Kacalski Project Manager

Date

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.

Date: 10/17/2007 Time: 11:31:35

Requested Reporting Limits < Lab PQL

Page:

Rept: AN1520

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab 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 | <u>Parameter</u> | Unit | Client RL | Lab POL |
|----------|------------------|------|--------------|------------|
| Organics | | • | | |
| 8082LOW | Aroclor 1016 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1221 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1232 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1242 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1248 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1254 | UG/L | 0.050 | 0.060 |
| 8082LOW | Aroclor 1260 | UG/L | 0.050 | 0.060 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | | | ANALY | TICAL REQ | UIREMENTS | 3 | |
|-----------------------|-------------------------|--------------|--------------|-----------|-------------|-----------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| C-20-1007 | A7B33901 | - | - | _ | SW8463 | | <u>.</u> | <u>-</u> |
| C-20-1007"DUP" | A7B33902 | _ | | - | SW8463 | - | - | - |
| C-21-1007 | A7B33903 | - | - | - | SW8463 | - | - | - |
| C-21-1007"DUP" | A7B33904 | - | - | - | SW8463 | - | - | <u>-</u> |
| C-22-1007 | A7B33905 | | | | SW8463 | - | <u>-</u> | <u>-</u> |
| C-22-1007"DUP" | A7B33906 | - | - | <u>-</u> | SW8463 | | <u> </u> | - |
| FD-1007 | A7B33907 | | | - | SW8463 | | - | _ |
| FD-1007"DUP" | A7B33908 | - | | _ | SW8463 | - | - | |

NYSDEC-1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| LAD NAME, SEVERN TREE | T. LA LOCICIA | OTCLEO, HIC. | | | |
|--------------------------|---------------|-------------------|----------------------------|-------------------|------------------|
| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
| C-20-1007 | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| . C-20-1007"DUP" | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| C-21-1007 | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| C-21-1007"DUP" | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| C-22-1007 | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| C-22-1007"DUP" | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| FD-1007 | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |
| FD-1007"DUP" | WATER | 10/02/2007 | 10/04/2007 | 10/07/2007 | 10/08/2007 |

NYSDEC-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CAB WAIVIE. SEVERIVIRE | T DI ID OIG II C | January, 1110. | | | |
|--------------------------|------------------|------------------------|----------------------|-----------------------|--------------------|
| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
| C-20-1007 | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| C-20-1007"DUP" | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| C-21-1007 | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| C-21-1007"DUP" | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| C-22-1007 | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| C-22-1007"DUP" | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| FD-1007 | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |
| FD-1007"DUP" | WATER | SW8463 | SEPF | AS REQUIRED | AS REQUIRED |

NYSDEC-6

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 figg 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 aidol-condensation product.
- 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.

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| T 1. 37 | C-20-1007 |
|---|---|
| Lab Name: SIL Buffalo Contrac | t: |
| Lab Code: RECNY Case No.: SAS No.: | : SDG No.: |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: A7B33901 |
| Sample wt/vol: <u>1060.00</u> (g/mL) <u>ML</u> | Lab File ID: <u>12A07069.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: <u>10/02/2007</u> <u>10/04/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: <u>10/07/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>10/08/2007</u> |
| Injection Volume: 1.00 (uL) | Dilution Factor: 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) Y |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphen | 0.047 U U 0.047 U U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS

ANALYSIS DATA SHEET

C-22-1007

| Lab Name: STL Buffalo Contra | act: | |
|--|---|-----------------------------|
| · · | | |
| Lab Code: RECNY Case No.: SAS No. | .: SLG NO.: | |
| Matrix: (soil/water) WATER | Lab Sample ID: A7 | /B33905 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: 12 | A07075.TX0 |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 10 |)/02/2007 <u>10/04/2007</u> |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF | Date Extracted: 10 |)/07/2007 |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>10</u> | 0/08/2007 |
| Injection Volume:1.00(uL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y | //n) <u>Y</u> |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5 | 0.047 0.047 0.047 0.047 0.047 0.047 | บ บ บ บ บ บ |
| 1336-36-3Total Polychlorinated Riphe | emv7g-8082 (7 AR) √ 0 066 | 17 |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA CHETT

ANALYSIS DATA SHEET

Client No.

| | FD-1007 |
|---|--|
| Lab Name: <u>STL Buffalo</u> Contrac | t: |
| Lab Code: RECNY Case No.: SAS No.: | SDG No.: |
| Matrix: (soil/water) WATER | Lab Sample ID: A7B33907 |
| Sample wt/vol: 1060.00 (g/mL) ML | Lab File ID: <u>12A07076.TX0</u> |
| % Moisture: decanted: (Y/N) N | Date Samp/Recv: 10/02/2007 10/04/2007 |
| Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u> | Date Extracted: <u>10/07/2007</u> |
| Concentrated Extract Volume:2000(uL) | Date Analyzed: <u>10/08/2007</u> |
| Injection Volume: 1,00 (uL) | Dilution Factor:1.00 |
| GPC Cleanup: (Y/N) N pH: 6.00 | Sulfur Cleanup: (Y/N) N |
| CAS NO. COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphen | 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U 0.047 U |
| 1220-20-2Torat kotacimortuaced gibuen | ΥΤΡ-000ς (\ WK \ Λ.000 (Ω |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS WATER SURROGATE RECOVERY

| Lab Name: <u>STL Buffalo</u> | | Contract: | |
|------------------------------|----------------------|-----------|----------|
| Lab Code: RECNY Ca | se No.: | SAS No.: | SDG No.: |
| GC Column(1): ZB-35 | 1D: <u>0.53</u> (mm) | | |

| | Client Sample ID | Lab Sample ID | | TCMX %REC # | | | | | | | TOT |
|---|---|---------------|--------|----------------|--------|--------|-------|---------|----------|--------|-----|
| | ======================================= | -#========== | 2=22== | 222222 | #EEEEE | ====== | ===== | 2222565 | =#22222 | ====== | === |
| 1 | C-20-1007 | A7B33901 | 64 | 92 | | | | | • | | 0 |
| 2 | C-20-1007 MS | A7B33901MS | 54 | 104 | 1 | | ' | | | | 0 |
| 3 | C-20-1007 SD | A7B33901SD | 59 | 112 | | | | | | 1 | 0 |
| 4 | C-21-1007 | A7833903 | 100 | 118 | 1 | | | 1 | ļ | } | 0 |
| 5 | C-22-1007 | A7B33905 | 78 | 104 | ! | | İ | | | | 0 |
| 6 | FD-1007 | A7B33907 | 74 | 114 | | 1 | | | } | | 0 |
| 7 | Matrix Spike Blank | A781572501 | 82 | 109 | | ' | | ' | \ | ì ' | 0 |
| 8 | Method Blank | A7B1572502 | 96 | 110 | | | | | | 1 | 0 |

QC LIMITS

(DCBP) = Decachlorobiphenyl (TCMX) = Tetrachloro-m-xylene

(26-145) (25-152)

- # Column to be used to flag recovery values* Values outside of contract required QC limitsD Surrogates diluted out

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS WATER MATRIX SPIKE BLANK RECOVERY

| Lab Name: STL Buffalo | | Contract: | | | p ID: <u>A7B1572502</u> |
|--------------------------------|-------------------------|------------------------------|-------------------|----------------------|-------------------------|
| Lab Code: <u>RECNY</u> Case No |).: | SAS No.: _ | | SDG | No.: |
| Matrix Spike - Client Sampl | .e No.: <u>Method B</u> | <u>lank</u> | | | |
| COMPOUND | SPIKE ADDED UG/L | MSB CONCENTRATION UG/L | MSB % REC # | QC LIMITS REC. | + |
| Aroclor 1016 Aroclor 1260 | 1.00 | 1.04 1.08 | 105 108 | 58 - 141 56 - 144 | |
| # Column to be used to flag | g recovery and Ri | PD values with ar | n asteris | зk | - |
| * Values outside of QC limi | ts | | | | |
| Spike recovery: 0 out o | of 2 outside | limita | | | |

Comments:

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M

METHOD 8082 - POLYCHLORINATED BIPHENYLS WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

| Lab Name: | STL Buffa | <u>lo</u> | Contract: | Lab Samp ID: <u>A7B33901</u> |
|------------|-------------|---------------------------------|-----------|------------------------------|
| Lab Code: | RECNY | Case No.: | SAS No.: | SDG No.: |
| Matrix Sp: | ike - Clier | nt Sample No.: <u>C-20-1007</u> | | |

| COMPOUND | SPIKE ADDED UG/L | SAMPLE CONCENTRATION UG/L | MS CONCENTRATION UG/L | MS % REC # | QC LIMITS REC. | + |
|------------------------------|------------------------|---------------------------------|-----------------------------|------------------|----------------------|---|
| Aroclor 1016 Aroclor 1260 | 0.943 0.943 | 0 . | 0.967 0.845 | 102 90 | 58 - 141 56 - 144 | |

| COMPOUND | SPIKE ADDED UG/L | MSD CONCENTRATION UG/L | MSD % REC # | % RPD # | QQ RPD | C LIMITS | + |
|--------------------------|------------------------|------------------------------|-------------------|------------|-----------|----------------------|---|
| Aroclor 1016Aroclor 1260 | 0.943 0.943 | 1.06 1.02 | 113 109 | 10 19 | 30 30 | 58 - 141 56 - 144 | |

Column to be used to flag recovery and RPD values with an asterisk

| RPD:0 out of2 outside limits Spike recovery:0 out of4 outside | limits |
|---|--------|
| Comments: | |

^{*} Values outside of QC limits

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS METHOD BLANK SUMMARY

| Tab Mama | cmi Puffala | Cantunat | | Method Blank | |
|------------|---------------------------------|--|--|--------------------|----------|
| пчр муше: | STL Buffalo | contract: _ | ······································ | | <u>,</u> |
| Lab Code: | RECNY Case No.: | SAS No. | ·: 5 | DG No.: | |
| Lab Sample | ≥ ID: <u>A7B1572502</u> | Lab | File ID: <u>12A</u> 0 | 7061.TX0 | |
| Matrix: (s | soil/water) <u>WATER</u> | Ext | caction: | SEPF | |
| Sulfur Cle | eanup: (Y/N): <u>Y</u> | Date | Extracted: | 10/07/2007 | |
| Date Analy | yzed (1): <u>10/08/2007</u> | Date | Analyzed (2) | : | |
| Time Analy | zed (1): <u>11:22</u> | Time | Analyzed (2) | : | |
| Instrument | ID (1): <u>HP5890-12</u> | Inst | rument ID (2) | : | |
| GC Column | (1): <u>ZB-35</u> Dia: <u>0</u> | .53 (mm) GC (| Column (2): | Dia: | (mm) |
| 7 | THIS METHOD BLANK APPLIE | s to the foi | LOWING SAMPLE | ES, MS AND MSD: | |
| | CLIENT SAMPLE NO. | LAB SAMPLE ID | | DATE ANALYZED 2 | |
| | C-20-1007 C-20-1007 MS | A7B33901 A7B33901MS A7B33901SD A7B33903 A7B33905 | 10/08/2007 10/08/2007 10/08/2007 10/08/2007 10/08/2007 10/08/2007 | | |
| Comments: | | | | | |

CAMP DRESSER AND MCKEE NIAGARA MOHAWK O & M METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

| Lab Name: STL Buffalo Contract: | 3 | Method Blank |
|---|---|-----------------------|
| | | |
| Lab Code: RECNY Case No.: SAS No.: SDG | No.: | |
| Matrix: (soil/water) WATER Lai | b Sample ID: | A7B1572502 |
| Sample wt/vol:1000.00 (g/mL) ML | b File ID: | 12A07061.TX0 |
| % Moisture: decanted: (Y/N) N Date | te Samp/Recv: | |
| Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date | te Extracted: | 10/07/2007 |
| Concentrated Extract Volume:2000(uL) Date | te Analyzed: | 10/08/2007 |
| Injection Volume:1.00(uL) Di | lution Factor: | 1.00 |
| GPC Cleanup: (Y/N) N pH: 5.00 | lfur Cleanup: | (Y/N) <u>Y</u> |
| CONCENTRATION CAS NO. COMPOUND (ug/L or ug/l | UNITS: Kg) <u>UG/L</u> | Q |
| 12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260 1336-36-3Total Polychlorinated Biphenyls-8082 (7 AR | 0.050 0.050 0.050 0.050 0.050 0.050 0.050 | บ บ บ บ บ |

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

| | | | SAMPI | SAMPLED | | ED CE |
|---------------|-------------------|--------|------------|---------|------------|-------|
| LAB SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE | TIME | DATE | TIME |
| A7B33901 | C-20-1007 | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33901MS | C-20-1007 MS | WATER | | | 10/04/2007 | |
| A7B33901SD | C-20-1007 SD | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33902 | C-20-1007"DUP" | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33902MS | C-20-1007"DUP" MS | WATER | 10/02/2007 | 11:20 | 10/04/2007 | 13:00 |
| A7B33902SD | C-20-1007"DUP" SD | WATER | 10/02/2007 | | | |
| A7B33903 | C-21-1007 | WATER | 10/02/2007 | 12:30 | 10/04/2007 | 13:00 |
| A7B33904 | C-21-1007"DUP" | WATER | 10/02/2007 | 12:30 | 10/04/2007 | 13:00 |
| A7B33905 | C-22-1007 | WATER | 10/02/2007 | 13:25 | 10/04/2007 | 13:00 |
| A7B33906 | C-22-1007"DUP" | WATER | 10/02/2007 | 13:25 | 10/04/2007 | 13:00 |
| A7B33907 | FD-1007 | WATER | 10/02/2007 | | 10/04/2007 | 13:00 |
| A7B33908 | FD-1007"DUP" | WATER | 10/02/2007 | | 10/04/2007 | 13:00 |

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.

METHODS SUMMARY

Job#: <u>A07-B339</u>

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

| | ANALYTICAL |
|---|----------------|
| PARAMETER | METHOD |
| METHOD 8082 - PCB | SW8463 8082LOW |
| METHOD 8082 - POLYCHLORINATED BIPHENYLS | SW8463 8082LOW |

References:

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.

The results presented in this report relate only to the analytical testing and conditions 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.

SDG NARRATIVE

Job#: A07-B339

Project#: NY7A9595

Site Name: Niagara Mohawk O & M

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-B339

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

GC Extractable Data

For method 8082, several compounds exhibited a percent difference greater than 15% from the expected amount in the ending continuing calibration. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

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.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Jasop R. Kacalski Project Manager

Date

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.

Chain Of Custody Documentation

Chain of Custody Record



| STL-4124 (0901) | | | | | | | | | | | | | | | | | 15 | | | | · | Obaia -f | C | 6 h | |
|--|----------------|-------------|-------------|-----------------|-----------|--------------|------------|----------------|-------------|---------------|----------|---------------|--------------|-----------|----------|-------------|----------------------|--|------------------|---------------|---------|-------------------|--------------|-----------------|----------|
| COM | | | Project | Mana | ger I | 11. | x1 | , | 01 | 1 | | | | | | | Date | • | 10 | 7 . | | Chain of | 358 | | |
| Address | | | Telepho | one Ni | mber | (Area | VI Codé | 1/Fax | Num | ber | | | | | | | Lab I | Vumo | <u>-/0</u> | | | <u> </u> | <u>ه د د</u> | 102 | |
| 1 Cennal Motors D | πίνε | <u></u> | 315 | - 43 | 4- | 325 | 7 | - | <u>3/</u> | -4 | 6 | 357 | 100 | | | | | | | | | Page_ | | _ of/_ | == |
| City State Zip | Code | | Site Co | ntact \(\O\) | | 4 | . | Lab (| Conta | ict | | | | | | Ana mort | alysis i e spac | (Attad :e is i | ch list needs | tif ∍d) | | | | • | |
| Project Name and Location (State) | <u>32c</u> | عاد | Carrier | Mayb. | UNU | nner | | | | | | | | | 3 | TT | 7 | T | | T | | 7 | | | |
| N6 Mwallace and Son Inc | بالم | odra00 W | | م دهد | M | ֟֝֟֝֟֟֟֟ | :66 | أمد | C., | 1111 Cd | G | <u>"h</u> | - [| | <u> </u> | 1 1 | - } | 1 | { } | - { | 1 | | Snecial | Instructions/ | |
| Contract/Purchase Order/Quote No. | -Ent | الم مياران | 1 | 7/-1 | VV | | | | , | ontai | | | { | 2000 | 3037 | { | - { | | | | \ \ | 1 6 | onditio | ns of Receipt | |
| | | | | <u> </u> | Ма | trix ——— | | | P | reser | vativ | es . | | ∞ | 얾 | | ļ | 1 | | - [| | \ | | | |
| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | 1 | Date | Time | Air | Aqueous | Soil | | Unpres. | H2S04 | HNO3 | | ZnAc/ NaOH | | 8 | 8 | | | _ | | | | | | | |
| C-20-1007 MS/USD | 10/2 | 407 | 1120 | | ΧŢ | | | 6 | | | J | | | X | | | | | | | | deire | tulia | ity oos | طوه |
| (-20-1007 "DUP" AUSINSM | | <u>i</u> | 1120 | | (| | | 3 | | | | | | | X | | | | | | | | | υ ' | <i>'</i> |
| (-21-1007 | · | | 1230 | | X. | | | 2 | | | \prod | | | X | | | | | | | \prod | | | - · | |
| C-21-1007 " NOP" | | | 1230 | 1 | ¢ | | | \overline{I} | | | | | | | X | | | | | | | | T | | |
| C-22-1007 | | | 1325 | • | ٧_ | | | 2 | | | | | . ; | X | | | | | | | | | | | |
| C-22-1007 " DUP" | | | 1325 | | c | | | 1 | | | | \top | | 7 | X | T | | Τ | | | | | | | |
| FD-1007 | | |) | ' | 4 | | | 2 | | | T | | | X | | | | | | | | | | | |
| FD-1007 " PUP" | | | } | | X | | | | | | \prod | Ţ_] | | | X | | \int | | | | | | \Box | | |
| · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | 7] | Π | | | T | | | | | T | | | | |
| | | | | | | 1 | | | 7 | | 1 | | \sqcap | | | | _ | \top | | \neg | 1 | | | | |
| | - | | | | \top | + | | | 7 | 1 | + | | | \exists | + | 1-1 | + | | † † | + | ++ | + | | | |
| | - | | | \dagger | + | _ | | \dashv | + | \dashv | + | + | \vdash | 1 | | ++ | + | ┪- | † † | +- | + | +- | | | |
| Possible Hazard Identification | | | | Sa | mple | l Dispos | LL_J al | | | | 丄 | | L_ _L | | | 11 | | Ц., | 40.45 | | <u></u> | | | | |
| Non-Hazard | Poi | ison B | Unknown | | Retu | rn To C | Client | | X Di | sposa | l By | Lab | | vchi | ve For | | Мо | nths | | | 1 mont | essed if sa h) | mpies are | retaineo | |
| Turn Around Time Required | | | | | | | | 1 | OC F | Requir | eme | nts (Spe | | - 1 | | | | | | | | | | | |
| 24 Hours 48 Hours 7 Days 14 D | ays | ☐ 21 Day | | ner | <u>≥ĭ</u> | | | =- | | - | == | | AT | <u></u> | | | | | | | | | | <u> </u> | |
| 1. Relinguished By | | | Date 10 | 3/07 | | Time /\$. | 150 | 2 | | ceive | <u> </u> | FIX | E GI | / | 1/5 | 4 | | 74 | ti | | | | 3/07 | 15/50 | |
| 2. Relinquished By | | | Date | | Ī | Time | | | 2. Re | ceive | d By | | | 1 | | | . — | | | Λ^{-} | _ | Date | 4-07 | 13:00 | כ ו |
| 3. Relinquished By | | | Date | | <u> </u> | Time | | 7 | 3. Re | ceive | Tol | | 7 | 1 | | == | 7 | 0 | ,0 | * | | Date | | Time | (|
| Comments | | | | | | | | | | // | | | _ | | | | $\stackrel{\sim}{-}$ | | _ | | | | | | |
| huld " DOY" Samples DISTRIBUTION; WHITE - Returned to Client with Report; | • (| anal | 431 0 | nl | 7 | 4 | H | ne | is | 0 | lu | 16h | ۷. | 4 | 44 | e f | rim | ous | ٠, | um | 14. | | | | |
| DISTRIBUTION: WHITE - Returned to Client with Report: | CANAF | RY - Stays | Nit#the Sam | ple: P | ìNK - | Ffeia C | Сору | | | | | | | | ." | / | | | | f | | | | | |



Doc. Login/ARRF - Side A Rev 4 May 11, 2007

| SAMPLE LOGIN | JOB # B379 | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Shipment ID | Strict Internal COC: YES NO | | | | | | | |
| | Residual Chlorine Check: | | | | | | | |
| | Radiation Check < 0.02 mR/hr: YES / NO | | | | | | | |
| ACProject / Task _ | N77A9595 | | | | | | | |
| TAT 15 BD/ CD # OF SAMPLE | TRIP BLANK VIN # | | | | | | | |
| SHIPPED BY COLDER | ATTACH SHIPPING TAGS | | | | | | | |
| RECEIVED DATE / TIME: | 101 4101 13:00 | | | | | | | |
| COOLER TEMP 2-0 °C (4+/-2°C |) OK NO | | | | | | | |
| Cooler Custody Seal intact? YES/NO NON | SEAL# | | | | | | | |
| If NO to cooler temp or seal, PM notified? YES | (PM Name) | | | | | | | |
| SUBCONTRACT YES/NO LAB | SM# | | | | | | | |
| COMMENTS: SAMPLE TIME ACTUAL | +1HR +2 HR +3 HR NONE | | | | | | | |
| Sample received outside hold time | | | | | | | | |
| Headspace in VOA vials | | | | | | | | |
| Problems with bottle labels | | | | | | | | |
| OTHER SAMPLE RECEIPT COMMENTS (Fill out ARRF, see reverse) | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| PRESERVATION CHECKED YES | NONA Initials | | | | | | | |
| PRESERVATION CHECKED YES NO NA_X Initials ARE SAMPLE DATES AND TIMES CORRECT? Initials | | | | | | | | |
| WERE ALL THE APPROPRIATE TESTS ASSIGNE | | | | | | | | |
| Temp.Cert,Loss: | | | | | | | | |

ite: 10/04/2007 me: 16:28:32

STL Buffalo Sample Inventory

Page:

Rept: AN0383

| Job No: A07-B3 Client: Camp D Project: NY7A95 SDG: Case: SMO No: No. Samps: 8 | resser and Mckee | | | Chain of Cus Sample Sample Tag Num SMO F | Seal: NO tody: YES Tags: NO | Cooler Temperature: 2.0 |)°C | | |
|---|--------------------------------------|------------------|------------------------|---|-----------------------------------|---------------------------------------|-------|--------------|-----|
| | | | | | | | | Pres | log |
| Sample | Receive | Client Sample ID | Lab ID | Condition | Bottles | Parameters | Lab | Code | PH |
| 10/02/2007 11:20 10/02/2007 11:20 | | | A7B33901 A7B33901MS | Good | 2-1lGA 2-1lGA | PCB 8082 PCB 8082 | RECNY | 0100 0100 | |
| 10/02/2007 11:20 | 10/04/2007 13:00 | C-20-1007 | A7B33901SD | Good | 2-11GA | PCB 8082 | RECNY | 0100 | |
| 10/02/2007 11:20 10/02/2007 11:20 | 10/04/2007 13:00 | C-20-1007"DUP" | A7833902 A7B33902MS | | 1-11GA 1-11GA | PCB 8082(EXT&HOLD) PCB 8082(EXT&HOLD) | RECNY | 0100 | |
| 10/02/2007 11:20 10/02/2007 12:30 | | | A7B33902SD A7B33903 | Good Good | 1-11GA 2-11GA | PCB 8082(EXT&HOLD) | RECNY | 0100 | |
| 10/02/2007 12:30 10/02/2007 13:25 | | | A7B33904 A7B33905 | Good Good | 1-11GA 2-11GA | PCB 8082(EXT&HOLD) PCB 8082 | RECNY | 0100 0100 | |
| 10/02/2007 13:25 | 10/04/2007 13:00 | C-22-1007"DUP" | A7833906 | Good | 1-11GA | PCB 8082(EXT&HOLD) | RECNY | 0100 | |
| 10/02/2007 10/02/2007 | 10/04/2007 13:00 10/04/2007 13:00 | | A7833907 A7833908 | Good Good | 2-11GA 1-11GA | PCB 8082 PCB 8082(EXT&HOLD) | RECNY | 0100 | i |

mple Custodian:

Analytical Services Coordinator:

LNAPL Recovery Totals M.Wallace and Son, Inc. Cobleskill, New York

| | C-3/I | /W-8 | C-4 | | | | |
|---------------|----------------|-----------------|----------------|-----------------|--|--|--|
| į | Inches in Drum | Gallons in Drum | Inches in Drum | Gallons in Drum | | | |
| 2004 | 1.5 | 1.50 | 0.75 | 0.75 | | | |
| 1/2005-6/2006 | 2.75 | 2.75 | 0.75 | 0.75 | | | |
| 7/25/2006 | 2.75 | 2.75 | 0.75 | 0.75 | | | |
| 8/23/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 9/14/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 10/11/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 11/13/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 12/6/2006 | 2.75 | 2.75 | 0.875 | 0.88 | | | |
| 1/30/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 2/21/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 3/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 4/2/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 5/9/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 6/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 7/19/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 8/13/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 9/17/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 10/2/2007 | 3.00 | 3.00 | 0.875 | 0.88 | | | |
| 11/15/2007 | 3.75 | 3.75 | 0.875 | 0.88 | | | |
| 12/5/2007 | 3.75 | 3.75 | 0.875 | 0.88 | | | |

| Year | Combined Totals (gallons) |
|----------------|------------------------------|
| 2004 | 2.25 |
| 1/2005-6/2006 | 1.25 |
| | ! |
| | |
| | |
| | |
| | - 1- |
| 7/2006-12/2006 | 0.13 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 1/2007-12/2007 | 1.00 |

LNAPL Recovery System Operation and Maintenance Site Maintenance and Monitoring M. Wallace and Son, Inc. Scrapyard Site Cobleskill, New York

| Date: 1/30/2007 | _ | | | Tech | nician: TJ | В | | | |
|-------------------------------|------------|---------------|------------------|------------|--------------|--------------------|--|--|--|
| Time: 1030 | _ | | | Wea | ther: Cold | 10. | | | |
| | <u>LNA</u> | PL WEL | L C-3/MW-8 | <u>L</u> | NAPL V | VELL C-4 | | | |
| Inches of product in the drum | | 3.0 | <u> </u> | 0.875 | | | | | |
| Conversion factor | | 1" = 1.0 | gals. | | 1" = 1.0 | 0 gals. | | | |
| Total product in gallons | | 3.0 | 0 | | 0.8 | 88 | | | |
| | <u>CIR</u> | <u>CLE</u> | COMMENTS: | CIR | CLE | COMMENTS: | | | |
| Check for LNAPL in well? | YES | NO _ | None | YES | NO | None | | | |
| inspect the head pulley | YES | NO _ | | YES | NO . | | | | |
| Clean the head pulleys | YES | NO _ | | YES | NO | | | | |
| Clean the wipers and trough | YES | NO _ | | YES | NO | | | | |
| Inspect the discharge hose | YES | NO _ | | YES | NO | | | | |
| Inspect the drum | YES | NO _ | | YES | NO | | | | |
| Inspect the drum containment | YES | NO _ | | YES | NO | | | | |
| spect the timer | YES | NO _ | | YES | NO | | | | |
| Run the system | YES | NO _ | | YES | NO | | | | |
| Timer set at? | System rur | ns 30 minutes | s every 3 hours. | System rur | ns 15 minute | es every 12 hours. | | | |
| Inspect the building exterior | YES | NO _ | | YES | NO | | | | |
| Building secure? | YES | NO _ | | · YES | NO | | | | |
| Inspect the building interior | YES | NO _ | | YES | NO | | | | |
| Is heater on? | YES | NO _ | | YES | NO | | | | |
| Heater set at? | 60 | °F | | 60 | °F | | | | |
| Is exhaust fan on? | YES | NO | | YES | NO | | | | |

Comments:

Main Gate secure

Heaters were turned on but working correctly. The wires were burn at the heater connections. Replaced wire. Both Heaters now working fine in Building LNAPL WELL C-3/MW-8. Only 1 heater in Building LNAPL WELL C-4 is working. The other heater needs replacement and a new heater is on order.

Site Conditions

Vegetative Cover in place and competent Perimeter fencing secure

| YES | NO | Comments: |
|-----|----|-----------|
| YES | NO | Comments: |
| YES | NO | Comments: |

On 1/18 and 1/22 Brady Fence installed a new 6 foot fence on the SW side of the property. The old fence panels were removed and taken off site by Brady Fence.

LNAPL Wells and Site OM 013007

Technician: TJB Date: 2/21/2007 Time: 1000 Weather: Partly Cloudy 20's LNAPL WELL C-4 LNAPL WELL C-3/MW-8 Inches of product in the drum 3.0 0.875 Conversion factor 1" = 1.0 gals. 1" = 1.0 gals. Total product in gallons 3.00 0.88 **CIRCLE COMMENTS: CIRCLE COMMENTS:** YES YES Check for LNAPL in well? NO None NO None YES YES Inspect the head pulley NO NO YES YES Clean the head pulleys NO NO Clean the wipers and trough YES NO YES NO Inspect the discharge hose YES NO YES NO YES YES Inspect the drum NO NO YES Inspect the drum containment YES NO NO YES NO YES NO ...spect the timer YES NO YES NO Run the system Timer set at? System runs 30 minutes every 3 hours. System runs 15 minutes every 12 hours. YES Inspect the building exterior YES NO NO YES NO **Building secure?** YES NO YES YES inspect the building interior NO NO Is heater on? YES NO YES NO 60 °F Heater set at? 60 °F

Comments:

Is exhaust fan on?

Installed new heater in Building LNAPL WELL C-4.

| <u> </u> | Site Conditions | | | | | |
|---|------------------------|----|------|--|--|--|
| Vegetative Cover in place and competent | YES | NO | Comm | | | |
| Perimeter fencing secure | YES | NO | Comm | | | |
| *fain Gate secure | YES | NO | Comm | | | |

YES

NO

Over ~30" of snow has fallen within the last week. Use snowblower and shovel to clear driveway and around system.

Comments:

Comments:

Comments:

YES

NO

| | | | , | | | |
|-------------------------------|------------|--------------|---|----------------|-------------|-------------------|
| Date: 3/13/2007 | P | | | Tech | nician: TJ | В |
| Time: 900 | _ | | | Weat | her: Partly | / Cloudy 40's |
| | <u>LNA</u> | PL WELI | <u>L C-3/MW-8</u> | LNAPL WELL C-4 | | |
| Inches of product in the drum | | 3.0 | <u>) </u> | 0.875 | | 75 |
| Conversion factor | | 1" = 1.0 | gals. | | 1" = 1.0 | 0 gals. |
| Total product in gallons | | 3.0 | 0 | | 0.8 | 38 |
| | CIR | <u>CLE</u> | COMMENTS: | CIRC | CLE | COMMENTS: |
| Check for LNAPL in well? | YES | NO _ | None | YES | NO _ | None |
| nspect the head pulley | YES | NO _ | | YES | NO | |
| Clean the head pulleys | YES | NO _ | | YES | NO | |
| Clean the wipers and trough | YES | NO _ | | YES | NO | |
| nspect the discharge hose | YES | NO _ | | YES | NO | |
| nspect the drum | YES | NO _ | | YES | NO _ | |
| nspect the drum containment | YES | NO _ | | YES | NO | |
| ispect the timer | YES | NO _ | | YES | NO | |
| Run the system | YES | NO _ | | YES | NO | |
| Timer set at? | System run | s 30 minutes | every 3 hours. | System run | s 15 minute | s every 12 hours. |
| nspect the building exterior | YES | NO _ | | YES | NO | |
| Building secure? | YES | NO _ | | YES | NO | |
| nspect the building interior | YES | NO _ | | YES | NO | |
| s heater on? | YES | NO _ | | YES | NO | |
| Heater set at? | 60 | °F | | 60 | °F | |
| ls exhaust fan on? | YES | NO | | YES | NO | |

Comments:

Vegetative Cover in place and competent Perimeter fencing secure

~ain Gate secure

YES NO Comments: YES NO Comments: YES NO Comments:

Site Conditions

Snow is melting at a good rate.

| | | Cobies | KIII, NEW TOTK | | | |
|-------------------------------|------------|-------------|------------------|-------------|--------------|-------------------|
| Date: 4/2/2007 | | | | <u>Tect</u> | nician: TJ | В |
| Time: 1500 | _ | | | Wea | ther: Sunn | y 50's |
| | <u>LNA</u> | PL WEL | L C-3/MW-8 | Ţ | .NAPL И | /ELL C-4 |
| Inches of product in the drum | | 3. | 0 | 0.875 | | |
| Conversion factor | | 1" = 1.0 | gals. | | 1" = 1.0 | 0 gals. |
| Total product in gallons | | 3.0 | 00 | 0.88 | | 38 |
| | CIR | CLE | COMMENTS: | <u>CIR</u> | <u>CLE</u> | COMMENTS: |
| Check for LNAPL in well? | YES | NO _ | None | YES | NO . | None |
| Inspect the head pulley | YES | NO _ | | YES | NO . | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YES | NO _ | | YES | NO | |
| Inspect the discharge hose | YES | NO _ | | YES | NO | |
| Inspect the drum | YES | NO _ | | YES | NO . | |
| Inspect the drum containment | YES | NO _ | | YES | NO | |
| ispect the timer | YES | NO _ | | YES | NO | |
| Run the system | YES | NO _ | | YES | NO | |
| Timer set at? | System rur | s 30 minute | s every 3 hours. | System rui | ns 15 minute | s every 12 hours. |
| Inspect the building exterior | YES | NO _ | | YES | NO | |
| Building secure? | YES | NO _ | | YES | NO | |
| Inspect the building interior | YES | NO _ | | YES | NO | |
| Is heater on? | YES | NO _ | | YES | NO | |
| Heater set at? | 60 | °F | | 60 | °F | |
| Is exhaust fan on? | YES | NO | | YES | NO | |

| | <u>Site</u> | Condit | ions |
|---|-------------|--------|-----------|
| Vegetative Cover in place and competent | YES | NO | Comments: |
| Perimeter fencing secure | YES | NO | Comments: |
| ^M ain Gate secure | YES | NO | Comments: |

| Date: 5/9/2007 | | | - | Tech | nician: T | JB |
|----------------------------------|-------------|-------------|-------------------------|------------|------------|------------------------|
| Time: 1500 | _ | | | Weat | her: Sun | ny 70's |
| | <u>LNAI</u> | PL WEL | L C-3/MW-8 | <u>L</u> . | NAPL V | VELL C-4 |
| Inches of product in the drum | | 3 | .0 | | 0. | 875 |
| Conversion factor | | 1" = 1. | 0 gals. | | 1" = 1 | .0 gals. |
| Total product in gallons | | 3. | 00 | | 0 | .88 |
| | CIRC | LE | COMMENTS: | <u>CIR</u> | <u>CLE</u> | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| inspect the head pulley | YES | NO | | YES | NO | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YES | NO | | YES | NO | |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | | YES | NO | |
| Inspect the drum containment | YES | NO | | YES | NO | |
| aspect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System runs | s 30 minute | es every 3 hours. | System run | s 15 minut | es every 12 hours. |
| Inspect the building exterior | YES | NO | | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | n/a | <u>F</u> | | n/a | °F_ | |
| Is exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |
| <u>Comments:</u> | | | | | | |
| Vegetative Cover in place and co | ompetent | Site | Conditions NO Comments | : | | |

NO

NO

Comments:

Comments: Installed "no trespassing" signs on the perimeter fencing.

YES

YES

Perimeter fencing secure

**ain Gate secure

| Date: 6/13/2007 | Technician: TJB | | | | | |
|-------------------------------|-----------------|---------------------|------------------------|------------|--------------|------------------------|
| Time: 900 | _ | Weather: Sunny 70's | | | | |
| | LNA | PL WEL | .L C-3/MW-8 | <u>L</u> | .NAPL V | VELL C-4 |
| Inches of product in the drum | | 3 | .0 | | 0.8 | 375 |
| Conversion factor | | 1" = 1. | 0 gals. | | 1" = 1. | 0 gals. |
| Total product in gallons | | 3. | 00 | | 0. | 88 |
| | CIRC | <u>CLE</u> | COMMENTS: | CIR | <u>CLE</u> | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| Inspect the head pulley | YES | NO | | YÉS | NO | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YES | NO | | YES | NO | <u> </u> |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | | YES | NO | |
| Inspect the drum containment | YES | NO | | YES | NO | |
| .aspect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System run | s 30 minute | es every 3 hours. | System rur | ns 15 minute | es every 12 hours. |
| Inspect the building exterior | YES | NO | <u> </u> | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | n/a | <u>°F</u> | <u></u> _ | n/a | 'F | |
| Is exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |

| | Site Conditions | | | | |
|---|-----------------|----|-----------|--|--|
| Vegetative Cover in place and competent | YES | NO | Comments: | | |
| Perimeter fencing secure | YES | NO | Comments: | | |
| -⁴ain Gate secure | YES | NO | Comments: | | |

Cobleskill, New York Date: 7/19/2007 Technician: TJB Time: 1100 Weather: Overcast 60's LNAPL WELL C-3/MW-8 LNAPL WELL C-4 Inches of product in the drum 0.875 3.0 1" = 1.0 gals. 1" = 1.0 gals. Conversion factor Total product in gallons 3.00 0.88 **CIRCLE CIRCLE COMMENTS: COMMENTS:** Check for LNAPL in well? YES NO YES NO None None YES YES Inspect the head pulley NO NO Clean the head pulleys YES NO YES NO Clean the wipers and trough YES YES NO NO Inspect the discharge hose YES NO YES NO Inspect the drum YES NO YES NO Inspect the drum containment YES NO YES NO inspect the timer YES NO YES NO Run the system YES NO YES NO Timer set at? System runs 30 minutes every 3 hours. System runs 15 minutes every 12 hours. YES YES Inspect the building exterior NO NO **Building secure?** YES NO YES NO Inspect the building interior YES NO YES NO YES NO Is heater on? YES NO Heater set at? n/a °F n/a °F YES NO Is exhaust fan on? YES

Comments:

| | Site Conditions | | | | |
|---|-----------------|----|-----------|--|--|
| Vegetative Cover in place and competent | YES | NO | Comments: | | |
| Perimeter fencing secure | YES | NO | Comments: | | |
| *lain Gate secure | YES | NO | Comments: | | |

Asplundh completed the site vegetation removal and installed crusher run on the east side of the main treatment building. Installed rip-rap stone around the backwash line back to the quarry.

set to come on at 75°F

NO

set to come on at 75°F

| | | | • | | | |
|-------------------------------|--------------|---------------------|------------------------|------------|--------------|------------------------|
| Date: 8/13/2007 | - | | | Tech | nnician: T. | IB |
| Time: 1100 | _ | Weather: Sunny 70's | | | | |
| | | | | | | |
| | <u>LNA</u> | PL WE | LL C-3/MW-8 | <u>L</u> | NAPL V | VELL C-4 |
| Inches of product in the drum | | <u> </u> | 3.0 | | 0.8 | 375 |
| Conversion factor | | 1" = 1 | 1.0 gals | | 1" = 1. | .0 gals |
| Total product in gallons | | 3 | 3.00 | | 0. | 88 |
| | CIR | <u>CLE</u> | COMMENTS: | <u>CIR</u> | CLE | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| inspect the head pulley | YES | NO | | YES | NO | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YES | NO | | YES | NO | |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | | YES | NO | |
| Inspect the drum containment | YES | NO | | YES | NO | |
| spect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System rui | ns 30 minu | tes every 3 hours. | System rur | ns 15 minute | es every 12 hours. |
| Inspect the building exterior | YES | NO | | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | n/a | °F | | n/a | ı °F | |
| Is exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |

Comments:

Site Conditions

Vegetative Cover in place and competent Perimeter fencing secure

Main Gate secure

| | | |
|-----|----|-------------|
| YES | NO | Comments: |
| YES | NO | Comments: |
| YES | NO | Comments: |

Asplundh applied weed killer to the perimeter fenceline(minus the north which borders the school), around the treatment buildings and any gravel areas.

| Date: 9/17/2007 | Technician: TJB | | | | | |
|-------------------------------|---------------------|------------|------------------------|------------|---------------|------------------------|
| Time: 1115 | Weather: Sunny 70's | | | | | ny 70's |
| | <u>LNA</u> | PL WEI | LL C-3/MW-8 | NELL C-4 | | |
| Inches of product in the drum | | 3 | 3.0 | | 0. | 875 |
| Conversion factor | | 1" = 1 | .0 gals. | | <u>1" = 1</u> | .0 gals. |
| Total product in gallons | | 3 | .00 | | 0 | .88 |
| | CIR | <u>CLE</u> | COMMENTS: | CIR | CLE | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| Inspect the head pulley | YES | NO | | YES | NO | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YEŚ | NO | | YES | NO | |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | | YES | NO | |
| 'nspect the drum containment | YES | NO | | YES | NO | |
| inspect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System run | s 30 minut | es every 3 hours. | System rur | is 15 minu | tes every 12 hours. |
| Inspect the building exterior | YES | NO | | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | n/a | °F | | n/a | °F | |
| ls exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |
| <u>Comments:</u> | | | | | | |

The belt on C-3/MW-8 was getting caught on bottom pulley. Pulled belt and pulley out of well. Inspection of the belt showed wear and needs replacement. The pulley was also worn and will also be replaced. Ordered a new belt and pulley assembly.

| | Site Conditions | | | | |
|---|-----------------|----|-----------|--|--|
| Vegetative Cover in place and competent | YES | NO | Comments: | | |
| Perimeter fencing secure | YES | NO | Comments: | | |
| ¹ain Gate secure | YES | NO | Comments: | | |

| Date: 10/02/2007 | | | | <u>Tech</u> | nician: T | JB |
|-------------------------------|--------------|------------|------------------------|-------------|------------|------------------------|
| Time: 1415 | _ | | | Weat | her: Sun | ny 60's |
| | LNA | PL WE | LL C-3/MW-8 | <u>L</u> | NAPL V | VELL C-4 |
| Inches of product in the drum | | ; | 3.0 | | 0. | 875 |
| Conversion factor | | 1" = 1 | I.0 gals. | | 1" = 1 | .0 gals |
| Total product in gallons | | 3 | 3.00 | | 0 | .88 |
| | <u>CIR</u> (| CLE | COMMENTS: | CIR | <u>CLE</u> | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| Inspect the head pulley | YES | NO | | YES | NO | |
| Clean the head pulleys | YES | NO | • | YES | NO | |
| Clean the wipers and trough | YES | NO | | YES | NO | |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | | YES | NO | |
| 'nspect the drum containment | YES | NO | | YES | NO | |
| inspect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System runs | s 30 minut | tes every 6 hours. | System run | s 15 minut | es every 12 hours. |
| Inspect the building exterior | YES | NO | | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | 40 | °F | | 40 | <u>°F</u> | |
| Is exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |

Comments:

Replaced the belt and bottom pulley assembly and adjusted the timer on C-3/MW-8.

| <u>Site</u> | <u>Condit</u> | <u>ions</u> |
|-------------|---------------|-------------|
| VEC | NO. | • |

Vegetative Cover in place and competent Perimeter fencing secure

"ain Gate secure

| <u> </u> | Orto Conditions | | | | |
|----------|-----------------|-----------|--|--|--|
| YES | NO | Comments: | | | |
| YES | NO | Comments: | | | |
| YES | NO | Comments: | | | |

Date: 11/15/2007 Technician: TJB Time: 0900 Weather: Sunny 60's **LNAPL WELL C-4** LNAPL WELL C-3/MW-8 Inches of product in the drum 3.75 0.875 Conversion factor 1" = 1.0 gals. 1" = 1.0 gals. Total product in gallons 3.75 0.88 **CIRCLE CIRCLE COMMENTS: COMMENTS:** Check for LNAPL in well? YES NO None YES NO None inspect the head pulley YES NO YES NO Clean the head pulleys YES NO YES NO Clean the wipers and trough YES NO YES NO Inspect the discharge hose YES NO YES NO YES YES Inspect the drum NO NO YES Inspect the drum containment NO YES NO YES NO YES inspect the timer NO Run the system YES NO YES NO Timer set at? System runs 30 minutes every 6 hours. System runs 15 minutes every 12 hours. YES Inspect the building exterior NO YES NO **Building secure?** YES NO YES NO Inspect the building interior YES NO YES NO Is heater on? YES NO YES NO Heater set at? 55 °F 55 °F Is exhaust fan on? YES NO YES set to come on at 75°F NO set to come on at 75°F

| | Site Condition | | |
|---|----------------|----|-----------|
| Vegetative Cover in place and competent | YES | NO | Comments: |
| Perimeter fencing secure | YES | NO | Comments: |
| *fain Gate secure | YES | NO | Comments: |

| Date: 12/5/2007 | Technician: TJB | | | | | |
|-------------------------------------|-------------------|-------------|------------------------|--------------|---------------|------------------------|
| Time: 1400 | | | | Weat | her: Parti | ly Cloudy 20's |
| | LNAF | PL WEI | LL C-3/MW-8 | <u>L</u> | NAPL V | VELL C-4 |
| Inches of product in the drum | | 3 | .75 | | 0.8 | 875 |
| Conversion factor | | 1" = 1 | .0 gals. | | <u>1" = 1</u> | .0 gals. |
| Total product in gallons | | 3 | .75 | | 0 | .88 |
| | CIRC | <u>LE</u> | COMMENTS: | <u>CIR</u> (| CLE | COMMENTS: |
| Check for LNAPL in well? | YES | NO | None | YES | NO | None |
| inspect the head pulley | YES | NO | | YES | NO | |
| Clean the head pulleys | YES | NO | | YES | NO | |
| Clean the wipers and trough | YES | NO | | YES | NO | |
| Inspect the discharge hose | YES | NO | | YES | NO | |
| Inspect the drum | YES | NO | <u></u> | YES | NO | |
| Inspect the drum containment | YES | NO | | YES | NO | |
| .∧spect the timer | YES | NO | | YES | NO | |
| Run the system | YES | NO | | YES | NO | |
| Timer set at? | System runs | 30 minut | es every 6 hours. | System run | s 15 minut | es every 12 hours. |
| Inspect the building exterior | YES | NO | | YES | NO | |
| Building secure? | YES | NO | | YES | NO | |
| Inspect the building interior | YES | NO | <u></u> | YES | NO | |
| Is heater on? | YES | NO | | YES | NO | |
| Heater set at? | 55 ° | <u>F</u> | | 55 | <u>F</u> | |
| Is exhaust fan on? | YES | NO | set to come on at 75°F | YES | NO | set to come on at 75°F |
| Comments: | | ŕ | | | | |
| Covered the fresh air vents in each | n building to try | and redu | ıce heat lose. | | | |
| | - | <u>Site</u> | <u>Conditions</u> | | | |

Vegetative Cover in place and competent

Perimeter fencing secure

*fain Gate secure

YES NO Comments:
YES NO Comments:
YES NO Comments:

| Sample ID. | Date | Time | Turbidity (NTU) |
|--------------------|-----------|------|-----------------|
| NTS-BCW-0107 | 1/30/2007 | 900 | 3.70 |
| NTS-BCW-0107 (DUP) | 1/30/2007 | 900 | 3.70 |
| NTS-EW-0107 | 1/30/2007 | 905 | 2.28 |
| NTS-EW-0107 (DUP) | 1/30/2007 | 905 | 2.28 |

Sample NTS-BCW is located between carbon vessels A and B.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Re | adings: |
|--------------------|---------|
| Quarry Level (ft.) | 5,74 |
| Flow Rate (gpm) | 127 |
| PH | 7.59 |

Weather: Cold 10°

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (ΝΤυ) |
|--------------------|-----------|------|------------------------|
| NTS-BCW-0207 | 2/27/2007 | 1300 | 1.31 |
| NTS-BCW-0207 (DUP) | 2/27/2007 | 1300 | 1.31 |
| NTS-EW-0207 | 2/27/2007 | 1310 | 1.57 |
| NTS-EW-0207 (DUP) | 2/27/2007 | 1310 | 1.57 |

Sample NTS-BCW is located between carbon vessels A and B.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | | | |
|--------------------|------|--|--|--|--|
| Quarry Level (ft.) | 6.01 | | | | |
| Flow Rate (gpm) | 85 | | | | |
| PH | 7.62 | | | | |

Weather: Cold 27°

Sampled By: TJB

Comments:

Also sampled the influent (Influent 0207).

| Sample ID. | Date | Time | Turbidity (NTU) |
|--------------------|-----------|------|-----------------|
| NTS-BCW-0307 | 3/19/2007 | 730 | 0.99 |
| NTS-BCW-0307 (DUP) | 3/19/2007 | 730 | 0.99 |
| NTS-EW-0307 | 3/19/2007 | 740 | 0.54 |
| NTS-EW-0307 (DUP) | 3/19/2007 | 740 | 0.54 |

Sample NTS-BCW is located between carbon vessels A and B.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Re | adings: |
|--------------------|---------|
| Quarry Level (ft.) | 9.01 |
| Flow Rate (gpm) | 163 |
| PH | 6.55 |

Weather: Sunny 31°

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (NTU) |
|--------------------|-----------|------|------------------------|
| NTS-BCW-0407 | 4/25/2007 | 1000 | 1.02 |
| NTS-BCW-0407 (DUP) | 4/25/2007 | 1000 | 1.02 |
| NTS-EW-0407 | 4/25/2007 | 1010 | 0.60 |
| NTS-EW-0407 (DUP) | 4/25/2007 | 1010 | 0.60 |

Sample NTS-BCW is located between carbon vessels A and B.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed. Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | |
|--------------------|------|--|--|
| Quarry Level (ft.) | 8.78 | | |
| Flow Rate (gpm) | 218 | | |
| PH | 6.51 | | |

Weather: Cloudy 45°

Sampled By: TJB

Comments:

Flow rate taken from PLC panel.

| Sample ID. | Date | Time | Turbidity (мти) |
|--------------------|-----------|------|------------------------|
| NTS-BCW-0507 | n/a | n/a | n/a |
| NTS-BCW-0507 (DUP) | n/a | n/a | n/a |
| NTS-EW-0507 | 5/23/2007 | 800 | 4.62 |
| NTS-EW-0507 (DUP) | 5/23/2007 | 800 | 4.62 |

Sample NTS-BCW is located between carbon vessels A and B.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | |
|--------------------|------|--|--|
| Quarry Level (ft.) | 6.55 | | |
| Flow Rate (gpm) | 105 | | |
| PH | 6.43 | | |

Weather: Sunny 52°

Sampled By: TJB

Comments:

Per NYSDEC's approval will no longer sample between carbon vessels A and B.

| Sample ID. | Date | Time | Turbidity (ΝΤυ) |
|-------------------|-----------|------|-----------------|
| NTS-IW- | n/a | n/a | n/a |
| NTS-IW- (DUP) | n/a | n/a | n/a |
| NTS-EW-0607 | 6/27/2007 | 815 | 1.47 |
| NTS-EW-0607 (DUP) | 6/27/2007 | 815 | 1.47 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only. Sample NTS-EW is located prior to discharge into the backwash surge tank. (DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed. Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | |
|--------------------|------|--|
| Quarry Level (ft.) | 5.76 | |
| Flow Rate (gpm) | 35 | |
| PH | 6.23 | |

Weather: Sunny 70°

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (ΝΤυ) |
|-------------------|-----------|------|-----------------|
| NTS-IW- | n/a | n/a | n/a |
| NTS-IW- (DUP) | n/a | n/a | n/a |
| NTS-EW-0707 | 7/25/2007 | 1430 | 0.17 |
| NTS-EW-0707 (DUP) | 7/25/2007 | 1430 | 0.17 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | |
|--------------------|------|--|--|
| Quarry Level (ft.) | 5.53 | | |
| Flow Rate (gpm) | 52 | | |
| PH | 6.17 | | |

Weather: Sunny 75°

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (NTU) |
|-------------------|-----------|------|------------------------|
| NTS-IW-0807 | 8/29/2007 | 700 | 0.21 |
| NTS-IW-0807 (DUP) | 8/29/2007 | 700 | 0,21 |
| NTS-EW-0807 | 8/29/2007 | 710 | 0.14 |
| NTS-EW-0807 (DUP) | 8/29/2007 | 710 | 0.14 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | |
|-------------------------|------|--|--|
| Quarry Level (ft.) 5.73 | | | |
| Flow Rate (gpm) | 56 | | |
| PH | 6.29 | | |

Weather: Sunny 60's

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (мти) |
|-------------------|-----------|------|------------------------|
| NTS-IW- | n/a | n/a | n/a |
| NTS-IW- (DUP) | n/a | n/a | n/a |
| NTS-EW-0907 | 9/18/2007 | 700 | 0.71 |
| NTS-EW-0907 (DUP) | 9/18/2007 | 700 | 0.71 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | |
|-------------------------|----|--|--|
| Quarry Level (ft.) 5.34 | | | |
| Flow Rate (gpm) | 56 | | |
| PH 6.23 | | | |

Weather: Sunny 40's

Sampled By: TJB

| Sample ID. | Date | Time | Turbidity (NTU) |
|---------------------|-----------|------|------------------------|
| NTS-IW- | n/a | n/a | n/a |
| NTS-IW- (DUP) | n/a | n/a | n/a |
| NTS-EW-0907-A | 9/25/2007 | 800 | 0.25 |
| NTS-EW-0907-A (DUP) | 9/25/2007 | 800 | 0.25 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | | | |
|-------------------------|----|--|--|--|--|
| Quarry Level (ft.) 4.48 | | | | | |
| Flow Rate (gpm) | 56 | | | | |
| PH 6.22 | | | | | |

Weather: Sunny 50's

Sampled By: TJB

Comments:

Second weekly sample

| Sample ID. Date | | Time | Turbidity (ΝΤυ) |
|------------------------|-------------|------|------------------------|
| NTS-IW- | NTS-IW- n/a | | n/a |
| NTS-IW- (DUP) n/a | | n/a | n/a |
| NTS-EW-1007 10/31/2007 | | 840 | 0.51 |
| NTS-EW-1007 (DUP) | 10/31/2007 | 840 | 0.51 |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | | | |
|-------------------------|------|--|--|--|--|
| Quarry Level (ft.) 6.32 | | | | | |
| Flow Rate (gpm) | 49 | | | | |
| PH | 6.34 | | | | |

Weather: Sunny 40's

Sampled By: TJB

| Sample ID. | Sample ID. Date | | Turbidity (ΝΤυ) | | |
|------------------------|-----------------|------|------------------------|--|--|
| NTS-IW- n/a | | n/a | n/a | | |
| NTS-IW- (DUP) n/a | | n/a | n/a | | |
| NTS-EW-1107 11/19/2007 | | 1100 | 1.66 | | |
| NTS-EW-1107 (DUP) | 11/19/2007 | 1100 | 1.66 | | |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only.

Sample NTS-EW is located prior to discharge into the backwash surge tank.

(DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed.

Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | | | |
|-------------------------|------|--|--|--|--|
| Quarry Level (ft.) 6.71 | | | | | |
| Flow Rate (gpm) 62 | | | | | |
| PH | 6.78 | | | | |

Weather: Cloudy 30's

Sampled By: TJB

| Sample ID. Date | | Time | Turbidity (טדא) | | |
|------------------------------|--|------|-----------------|--|--|
| NTS-IW- n/a | | n/a | n/a | | |
| NTS-IW- (DUP) n/a | | n/a | n/a | | |
| NTS-EW-1207 12/12/2007 | | 815 | 1.11 | | |
| NTS-EW-1207 (DUP) 12/12/2007 | | 815 | 1.11 | | |

Sample NTS-IW is located prior to the booster pumps. Sampled in February and August only. Sample NTS-EW is located prior to discharge into the backwash surge tank. (DUP) = In the event that PCB's are detected in a sample, the duplicate (DUP) sample will be analyzed. Samples are analyzed for PCB's using EPA Method 608.

| System Readings: | | | | | |
|--------------------|------|--|--|--|--|
| Quarry Level (ft.) | 6.17 | | | | |
| Flow Rate (gpm) | 75 | | | | |
| PH | 6.90 | | | | |

Weather: Rain 30's

Sampled By: TJB



Mr. James F. Morgan National Grid 300 Erie Boulevard West Syracuse, New York 13202 ARCADIS 6723 Towpath Road P.O. Box 66 Syracuse New York 13214-0066 Tel 315.446.9120 Fax 315.449.4111 www.arcadis-us.com

Subject:

M. Wallace and Son, Inc. Scrapyard Site Cobleskill, New York Site Number 4-48-003 Biota Sampling and Analysis Program

Dear Mr. Morgan:

The purpose of this letter is to transmit the polychlorinated biphenyl (PCB) analytical results for fish samples collected on October 22, 2007 from Cobleskill Creek and the unnamed tributary to Cobleskill Creek in Cobleskill, New York (Figure 1). The fish sampling and analysis activities were conducted in conformance with the New York State Department of Environmental Conservation (NYSDEC)-approved Operation, Maintenance and Monitoring Plan (OMM Plan) (ARCADIS BBL, Revised January 2007) for the M. Wallace and Son, Inc. Scrapyard Site in Cobleskill, New York.

A brief description of the fish sampling activities and a summary of the analytical results are presented below.

Description of Fish Sampling Activities

On October 22, 2007, ARCADIS collected fish from the same two general locations that were sampled in 1994 and 2002. Electrofishing was used to collect forage-size fish and edible-size fish from both Cobleskill Creek and the unnamed tributary. The sample reach for the unnamed tributary extended from the box culvert downstream to the culvert under Schoharie Parkway South, a distance of approximately 200 yards. The sample reach for Cobleskill Creek was from its confluence with the unnamed tributary to a point approximately 300 yards downstream. The sampling reaches are shown in Figure 1.

Three composite forage fish samples and three edible-size fish samples were collected from each reach. For the unnamed tributary, the forage fish samples included one creek chub (*Couesius plumbeus*) sample and two fathead minnow

Environmental

Date: January 7, 2008

Contact:
Gunther J. Schnorr

Phone: 315.671,9428

Email: gunther.schnorr@ arcadis-us.com

Our ref: B0036417 (Pimephales promelas) samples. Edible-size fish samples included one creek chub sample and two white sucker (Catostomus commersoni) samples. For Cobleskill Creek, the forage fish samples included one sample each of common shiner (Notropis cornutus), central stoneroller (Campostoma anomalum), and cutlips minnow (Exoglossum maxillingua). Edible-size fish included two smallmouth bass (Micropterus dolomieui) samples and one northern hog sucker (Hypentelium nigricans) sample. Forage fish were processed as whole-body composite samples, and larger (edible-size) fish were processed as individual fillet samples or two-fish composite fillet samples.

The length and weight of each fish was recorded in the field log prior to packaging the fish samples for shipment to the laboratory. Samples were sent to Pace Analytical, Inc. in Green Bay, WI for analysis of polychlorinated biphenyls (PCBs) and percent lipids.

Summary of Analytical Results

The analytical results were validated by ARCADIS. The data validation did not indicate any problems associated with overall data quality. The data validation report is provided as Attachment A.

PCBs were not detected above the laboratory quantitation limit of 0.05 mg/kg (parts per million [ppm]) in five of the twelve fish samples. The PCB concentrations that were detected in the remaining seven samples were all relatively low (less than 0.5 mg/kg wet weight). Consistent with the previous biota monitoring conducted in 1994 and 2002, PCB concentrations were lower for fish samples from Cobleskill Creek than the unnamed tributary.

For Cobleskill Creek, PCBs were only detected in the common shiner whole-body composite sample (0.18 mg/kg) and the cutlips minnow whole-body composite sample (0.15 mg/kg). PCBs were non-detect (at the reporting limit of 0.050 mg/kg) for the remaining Cobleskill Creek fish samples.

For the unnamed tributary, PCB concentrations were highest in the creek chub whole-body composite sample (0.49 mg/kg) and the two whole-body composite samples of fathead minnows (0.42 and 0.43 mg/kg). PCB concentrations in the two white sucker fillet samples were 0.057 and 0.17 mg/kg. PCBs were non-detect in the creek chub fillet composite sample.

Summary

Overall, fish tissue PCB concentrations are relatively low (less than 0.5 mg/kg) for all forage fish samples and edible-size fish samples for both locations. PCB concentrations are generally lower than concentrations reported in similar fish tissue samples collected previously in 1994 and in 2002 (Table 1).

The next scheduled biota sampling and analysis program activities are anticipated to be conducted during fall 2009. If you have any questions regarding the data or require additional information, please contact me at 315.671.9428 or Dave Rigg at 518.452.7826.

Sincerely,

ARCADIS

Gunther J. Schnorr Project Manager

Copies:

Matthew D. Millias, P.E., CDM David K. Rigg, ARCADIS Jason C. Vogel, ARCADIS

ARCADIS

Table 1

Resident Fish Data Summary

Table 1

National Grid M. Wallace and Son, Inc. Scrapyard Site Cobleskill, NY

Operation, Maintenance and Monitoring Activities

Resident Fish Data Summary

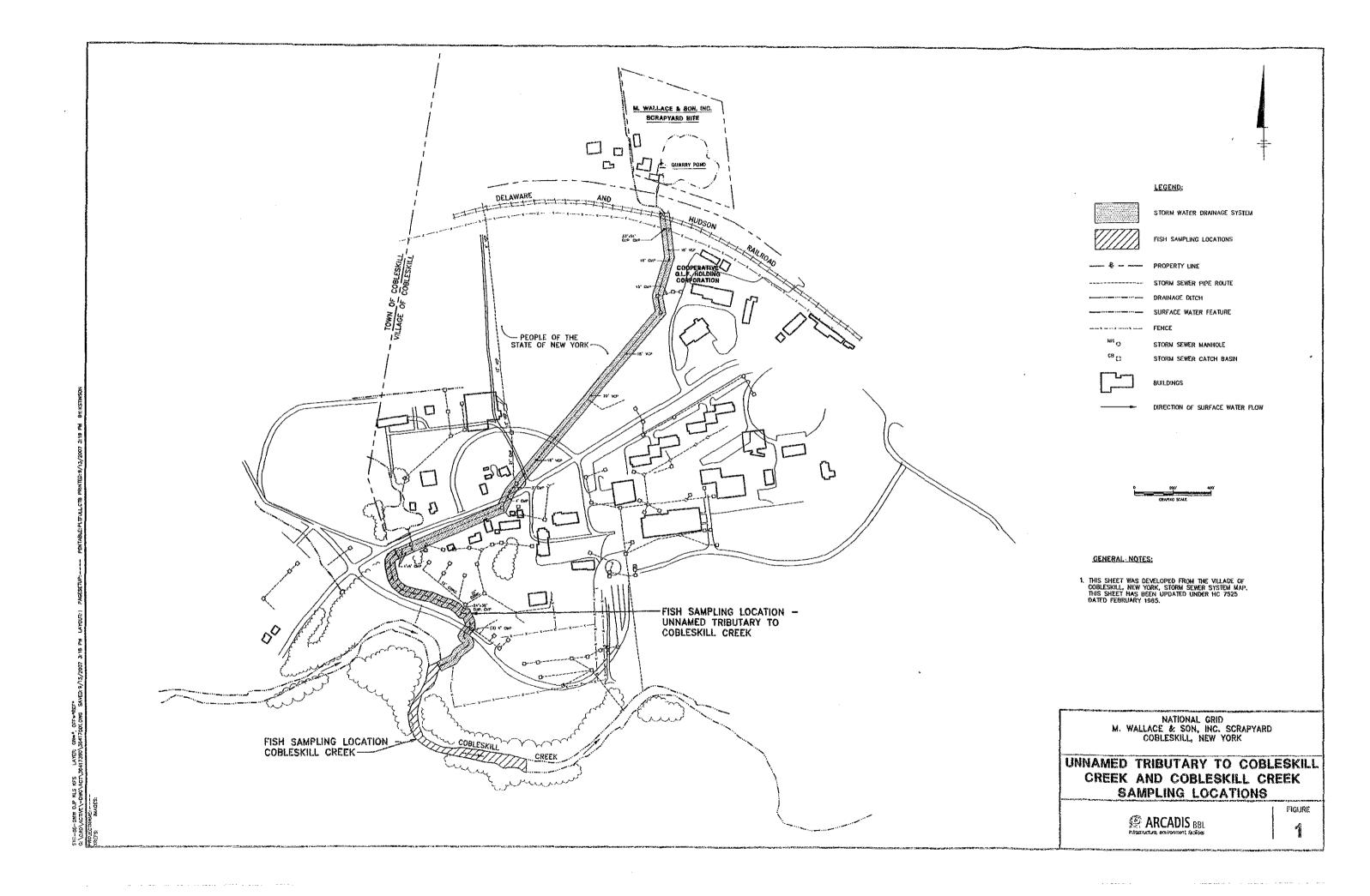
| F | | | | | | | | | |
|-----------------------|--------------|---------------------|-------------------|-----------|---------|--------|--------|------------|---------------------|
| | ाण/ए | | नेशवाम् वस्त्रहरू | श्वातानुष | ៤០មេ | Weight | विविधि | ાતમાં જો | ा कियोज का अभवेषा । |
| Simple 10 | Toolbaied. | ा अस्ति। अन् | | | | (game) | 整份實 | | PGES meller rich |
| 2007 Fish Tissue Data | | | | | | | | | |
| Cobleskill Cr | eek | | | | | | | | |
| CC-CM-01 | 10/22/2007 | Cutlips minnow | 5 | wbc | 10.5 | 74.0 | 4.14 | 0.15 | 3,6 |
| CC-CS-06 | 10/22/2007 | Common shiner | 8 | wbc | 7.4 | 29.4 | 3.12 | 0.18 | 5.8 |
| CC-SR-02 | 10/22/2007 | Stoneroller | 10 | wbc | 8.0 | 58.6 | 5.72 | ND (0.050) | 0.87 |
| CC-SB-05 | 10/22/2007 | Smallmouth bass | 1 | sf | 27.0 | 284 | 1.42 | ND (0.050) | 3.5 |
| CC-SB-06 | 10/22/2007 | Smallmouth bass | 1 | sf | 23.0 | 178 | 1.68 | ND (0.050) | 3.0 |
| CC-HS-02 | 10/22/2007 | Northern hog sucker | 1 | sf | 39.0 | 783 | 0.70 | ND (0.050) | 7.1 |
| Stormwater I | Orainage Sys | tem (Unnamed Tribu | tary) | | | | | | |
| UT-CC-01 | 10/22/2007 | Creek chub | 15 | wbc | 6.2 | 38.0 | 2.84 | 0.49 | 17 |
| UT-FM-06 | 10/22/2007 | Fathead minnow | 13 | wbc | 6.0 | 30.0 | 3.92 | 0.42 | 11 |
| UT-FM-07 | 10/22/2007 | Fathead minnow | 10 | wbc | 6.7 | 34.0 | 4.00 | 0.43 | 11 |
| UT-WS-07 | 10/22/2007 | White sucker | 1 | sf | 27.0 | 212 | 1.95 | 0.17 | 8.7 |
| UT-WS-08 | 10/22/2007 | White sucker | 2 | sf | 19.0 | 133 | 0.88 | 0.057 | 6,5 |
| UT-CC-02 | 10/22/2007 | Creek chub | 2 | sf | 20.9 | 201 | 1.03 | ND (0.050) | 4.9 |
| II | | | 2002 F | ish Tissu | ie Data | | | | |
| Cobleskill Cr | eek | | - | | _ | | | | |
| CC-CS-04 | 10/30/2002 | Common shiner | 6 | wbc | 8.5 | 33.1 | 1.96 | 0.086 | 4.4 |
| CC-CS-05 | 10/30/2002 | Common shiner | 9 | wbc | 5.7 | 14.0 | 2.39 | 0.12 | 5.0 |
| CC-SR-01 | 10/30/2002 | Stoneroller | 16 | wbc | 7.1 | 58.5 | 4.42 | 0.075 | 1.7 |
| CC-SB-04 | 10/30/2002 | Smallmouth bass | 1 | sf | 29.8 | 380 | 1.96 | 0.094 | 4.8 |
| CC-WS-01 | 10/30/2002 | White sucker | 11 | sf | 30.9 | 307 | 0.91 | ND (0.050) | 2.7 |
| CC-HS-01 | 10/30/2002 | Northern hog sucker | 1 | sf | 36.8 | 624 | 1.27 | 0.065 | 5.1 |
| Stormwater I | Drainage Sys | tem (Unnamed Tribu | tary) | | | | | | |
| UT-FM-04 | 10/30/2002 | Fathead minnow | 16 | wbc | 6.1 | 39.0 | 3.67 | 0.92 | 25 |
| UT-FM-05 | 10/30/2002 | Fathead minnow | 16 | WDC | 5.8 | 33.0 | 3.17 | 0.98 | 31 |
| UT-SR-01 | 10/30/2002 | Stoneroller | 5 | wbc | 8.8 | 35.8 | 3.48 | 0.72 | 21 |
| UT-WS-04 | 10/30/2002 | White sucker | 1 | sf | 24.6 | 144 | 1.27 | 0.18 | 14 |
| UT-WS-05 | 10/30/2002 | White sucker | 1 | sf | 21.7 | 109 | 1.49 | 0.12 | 8.1 |
| UT-WS-06 | 10/30/2002 | White sucker | 1. | sf | 20.1 | 80.0 | 0.69 | 0.18 | 26 |
| | | | 1994 F | ish Tissu | re Data | | | | |
| Cobleskill Cr | reek | | | | | | | | |
| CC-CS-01 | 10/11/1994 | Common shiner | 3 | wbc | NA | 33.5 | 3.65 | 0.41 | 11 |
| CC-CS-02 | 10/11/1994 | Common shiner | 3 | wbc | NA | 37.5 | 1.80 | 0.32 | 18 |
| CC-CS-03 | 10/11/1994 | Common shiner | 3 | wbc | NA | 29.4 | 4.01 | 0.29 | 7.2 |
| CC-SB-01 | 10/11/1994 | Smallmouth bass | 1 | sf | 19.5 | 115 | 1.52 | 0.15 | 9.9 |
| CC-SB-02 | 10/11/1994 | Smallmouth bass | 1 | sf | 24.5 | 230 | 1.75 | 0.08 | 4.6 |
| CC-SB-03 | 10/11/1994 | Smallmouth bass | 1 | sf | 20.5 | 95 | 1.37 | 0.06 | 4.4 |
| Stormwater | Drainage Sys | tem (Unnamed Tribu | tary) | | | | | | |
| UT-FM-01 | 10/11/1994 | Fathead minnow | 4 | wbc | NA- | 11.5 | 4.08 | 1.7 | 42 |
| UT-FM-02 | 10/11/1994 | Fathead minnow | 6 | wbc | NA | 11.7 | 5.18 | 1.5 | 29 |
| UT-FM-03 | 10/11/1994 | Fathead minnow | 14 | wbc | NA | 18.6 | 4.12 | 1.1 | 27 |
| UT-WS-01 | 10/11/1994 | White sucker | 11 | sf | 21.5 | 115 | 1.97 | 0.19 | 9.6 |
| UT-WS-02 | 10/11/1994 | White sucker | 1 | sf | 23 | 140 | 1.90 | 0.09 | 4.7 |
| UT-WS-03 | 10/11/1994 | White sucker | 1 | sf | 23 | 140 | 1.24 | ND (0.050) | 2.0 |

- Whole-body fish composite sample lengths are represented by the average of individuals.
 Non-detected (ND) total PCBs values are shown with the sample detection limit within brackets.
 sf = skin-on fillet sample.
- 4. wbc = whole-body composite sample.
- 5. NA = not available.

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Figure 1

Sampling Locations



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Attachment A

Data Validation Report

DATA USABILITY SUMMARY REPORT

NATIONAL GRID M. WALLACE AND SON, INC. SCRAPYARD SITE

COBLESKILL, NEW YORK

SDG #890029

PCB ANALYSES

Analyses performed by:

Pace Analytical Services, Inc. Green bay, Wisconsin

Review performed by:



Syracuse, New York Report #7673R

Summary

The following is an assessment of the data package for sample delivery group (SDG) #890029 for sampling activities associated with the M. Wallace and Son, Inc. Scrapyard Site located in Cobleskill, NY (site number 4-48-003). Included with this assessment are the data review check sheets used in the review of the package and corrected sample results. Analyses were performed on the following samples:

| Sample ID | Lab ID | Matrix | Sample Date | Analysis | | | | |
|---------------------------------------|------------|--------|----------------|----------|----------|-----|-----|------|
| | | | | voc | svoc | PCB | MET | MISC |
| UT-CC-01 | 890029-001 | Biota | 10/22/2007 | | | Х | | Х |
| UT-FM-06 | 890029-002 | Biota | 10/22/2007 | | | Х | | X_ |
| UT-FM-07 | 890029-003 | Biota | 10/22/2007 | | | X | | Х |
| UT-WS-07 | 890029-004 | Biota | 10/22/2007 | | | X | | Х |
| UT-WS-08 | 890029-005 | Biota | 10/22/2007 | | | Х | | Х |
| UT-CC-02 | 890029-006 | Biota | 10/22/2007 | | | Х | | Χ |
| CC-CM-01 | 890029-007 | Biota | 10/22/2007 | | | X | | Х |
| CC-CS-06 | 890029-008 | Biota | 10/22/2007 | | | X | | Х |
| CC-SR-02 | 890029-009 | Biota | 10/22/2007 | | | X | | Х |
| CC-HS-02 | 890029-010 | Biota | 10/22/2007 | | | Х | | Х |
| CC-SB-05 | 890029-011 | Biota | 10/22/2007 | | | Х | | Х |
| CC-SB-06 | 890029-012 | Biota | 10/22/2007 | | | X | | Х |
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Notes:

- 1. Matrix spike/matrix spike duplicate (MS/MSD) analyses performed on sample location CC-HS-02.
- 2. Miscellaneous analysis included percent lipids.

POLYCHLORINATED BIPHENYLS (PCBs) ANALYSES

Introduction

Analyses were performed according to (United Stated Environmental Protection Agency) USEPA SW-846 Method 8082 as referenced in NYSDEC-ASP. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- C Identification confirmed by GC/MS.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Times

The specified holding times for the following methods are presented in the following table.

| Method | Matrix | Holding Time | Preservation |
|-------------|--------|--|----------------------------|
| SW-846 8260 | Biota | 14 days from collection to extraction and 40 days from extraction to analysis | Cooled @ 4 °C or Freeze |

All samples were stored frozen until preparation. All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

No compounds were detected in the associated blanks.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less then the control limit (15%).

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported were within control limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations were the compound's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

A field duplicate was not included with this data set.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must less than 25%.

All identified compounds met the specified criteria.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist

PCB Data Validation Checklist

| | YES | NO | NA |
|--|-----------|-----------|-------------|
| Data Completeness and Deliverables | | | |
| Have any missing deliverables been received and added to the data package? | | <u> X</u> | |
| Is there a narrative or cover letter present? | <u>X</u> | | |
| Are the sample numbers included in the narrative? | <u> X</u> | | |
| Are the sample chain-of-custodies present? | _X_ | | |
| Do the chain-of-custodies indicate any problems with sample receipt or sample condition? | | X | |
| Holding Times | | | |
| Have any holding times been exceeded? | | X | |
| Surrogate Recovery | | | |
| Are the surrogate recovery forms present? | | <u> </u> | |
| Are all the samples listed on the appropriate surrogate recovery form? | | | X |
| Were recoveries of any surrogate outside of specified limits for any sample or blank? | | _X_ | |
| If yes, were the samples reanalyzed? | | | _X_ |
| Are there any transcription/calculation errors between the raw data and the summary form? | | X | |
| Matrix Spikes | | | |
| Is there a matrix spike recovery form present? | <u>X</u> | | |
| Were matrix spikes analyzed at the required frequency? | <u>X</u> | | |
| How many spike recoveries were outside of QC limits? | | | |
| <u>0</u> out of <u>2</u> | | | |
| How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits? | f | | |
| <u>0</u> out of <u>1</u> | | | |
| Blanks | | | |
| Is a method blank summary form present? | <u>X</u> | | |
| Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent? | X | | |
| Do any method/reagent/instrument blanks have positive results? | | X | |
| Do any field/rinse/equipment blanks have positive results? | | | _X |
| Are there field/rinse/equipment blanks associated with every sample? | | <u>X</u> | |
| Calibration and GC Performance | | | |
| Are the following chromatograms and integration reports present? | | | |
| peak resolution check | | | <u>X</u> |
| | | | |

| | YES | NO | NA |
|---|-------------|----------|----|
| Aroclor 1016/1260 | X | | |
| Aroclors 1221, 1232, 1242, 1248, and 1254 | <u>X</u> | | |
| Is a calibration summary form present and complete for each analytical sequence? | X | | |
| Are there any transcription/calculation errors between the raw data and the forms? | | _X_ | |
| Are the %RSD for the initial calibration within specified limits for all analytes? | <u>X</u> | · | |
| Is the resolution between any two adjacent peaks in the resolution check mixture > 60%? | | | X_ |
| Have all samples been injected within a 12 hour period beginning with the injection of a calibration standard? | _X_ | | |
| Is a continuing calibration summary form present and complete for each continuing standard analyzed? | x | | |
| Are there any transcription/calculation errors between the raw data and the form? | | X | |
| Are all the percent difference (%D) values for all continuing calibration standards within specified limits? | _X_ | | |
| Analytical Sequence | | | |
| Is Form VIII present and complete for each column and each period of analyses? | X | | |
| Was the proper analytical sequence followed? | X | | |
| Cleanup Efficiency Verification | | | |
| Are percent recoveries of the compounds used to check the efficiency of the cleanup procedure within QC limits? | X | | |
| PCB Identification | | | |
| Are RT of sample compounds within the established RT windows? | <u>X</u> | | |
| Were all positively identified compounds confirmed on a second column? | <u>X</u> | | |
| Was GC/MS confirmation provided when required? | _X_ | | |
| Were there any false negatives? | | <u>X</u> | |
| Compound Quantitation and Reported Detection Limits | | | |
| Are there any transcription/calculation errors in the Form 1 results? | | <u>X</u> | |
| Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture? | | <u></u> | X_ |
| Chromatogram Quality | | | |
| Were the baselines stable? | X | | |
| Were any electronegative displacement (negative peaks) or unusual peaks detected? | | X | |
| · | | | |

| | YES | NO | NA NA |
|---|-----|----|----------|
| Field Duplicates | | | |
| Were field duplicates submitted with the samples? | | X | |

CORRECTED SAMPLE ANALYSIS DATA SHEETS

Analytical Report Number: 890029

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

Client: ARCADIS BBL

Project Name: WALLACE SITE Project Number:

Field ID: UT-CC-01

Matrix Type: BIOTA Collection Date: 10/22/07

Report Date: 11/14/07 Lab Sample Number: 890029-001

| INORGANICS | | | | | | | | | | |
|----------------------|-----|--------|---------------|---------------|--------------|-------------|----------|--------------------------------|-------------|---------------------------|
| Test | | Result | E | QL | Dilution | Units | Code | Ani Date/Time | Prep Method | Ani Method |
| Percent Lipids | | 2.84 | | | 1 | % | Dran | 10/31/07 Date/Time: 10/31/0 | Pace Lipid | Pace Lipid nl By: nbie |
| PCB | | | - | - | - | | <u> </u> | Date/Time: 10/30/0 | | nt By: CAH |
| Analyte | | Result | Е | QL | Dilution | Units | Code | Anl Date/Time | Prep Method | Ani Method |
| Aroclor 1016 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 3540C | SW846 8082 |
| Aroclor 1221 | · < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Aroclor 1232 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Aroclor 1242 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Aroclor 1248 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Aroclor 1254 | | 310 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 3540C | SW846 8082 |
| Arodor 1260 | | 180 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Total PCBs | | 490 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 3:38 AM | SW846 35400 | SW846 8082 |
| Surrogate | | | LCL | UCL | | | | | | |
| Tetrachloro-m-xylene | | 93 | 40 | 136 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| Decachlorobiphenyl | | 96 | 47 | 145 | 1 | % | | 11/06/07 | SW846 35400 | SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL Project Name: WALLACE SITE

Project Number:

Field ID: UT-FM-06

Matrix Type: BIOTA Collection Date: 10/22/07 Report Date: 11/14/07

| INORGANICS | | | | | | | |
|----------------------|---|--------|-------|------------|-----------|-------------------------------------|--|
| Test | | Result | EQ | L Dilution | Units | Code Ani Date/Time | Prep Method Ani Method |
| Percent Lipids | | 3.92 | | 1 | % | 10/31/07 Prep Date/Time: 10/31/0 | Pace Lipid Pace Lipid 07 Anl By: nbie |
| РСВ | | | | | | Prep Date/Time: 10/30/0 | 07 9:29 AM Anl By: CAH |
| Analyte | | Result | EQ | L Dilution | Units | Code Ani Date/Time | Prep Method Ani Method |
| Aroclor 1016 | < | 95 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1221 | < | 95 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 95 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 95 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 95 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | | 190 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Aroclor 1260 | | 230 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Total PCBs | | 420 | 95 | 1 | ug/Kg wet | 11/06/07 4:08 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL U | CL | | | |
| Tetrachloro-m-xylene | | 92 | 40 13 | 36 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachlorobiphenyl | | 103 | 47 14 | 45 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL
Project Name: WALLACE SITE

Project Number:

Field ID: UT-FM-07

Matrix Type: BIOTA
Collection Date: 10/22/07
Report Date: 11/14/07

| INORGANICS | | | | | | | |
|----------------------|--------------|--------|-------|--------------|-----------|-------------------------|------------------------|
| Test | | Result | EQ | L Dilution | Units | Code Anl Date/Time | Prep Method Anl Method |
| Percent Lipids | * | 4.00 | | 1 | % | 10/31/07 | Pace Lipid Pace Lipid |
| | | | | | | Prep Date/Time: 10/31/0 | 07 Ani By: nbie |
| PCB | | | | | | Prep Date/Time: 10/30/0 | 07 9:29 AM Ani By: CAH |
| Analyte | | Result | EQ | L Dilution | Units | Code Ani Date/Time | Prep Method Anl Method |
| Aroclor 1016 | < | 56 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Arodor 1221 | < | 56 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 56 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 56 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 56 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | | 190 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Aroclor 1260 | | 240 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Total PCBs | | 430 | 56 | 1 | ug/Kg wet | 11/06/07 4:38 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL U | CL | | | |
| Tetrachloro-m-xylene | | 93 | 40 13 | 36 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachlorobiphenyl | | 102 | 47 14 | 1 5 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL

Project Name: WALLACE SITE

Project Number :

Field ID: UT-WS-07

Matrix Type: BIOTA
Collection Date: 10/22/07

Collection Date: 10/22/07 Report Date: 11/14/07

| INORGANICS | | | | | | | | | | |
|----------------------|---|--------|-----|-----|----------|-----------|------|--------------------|--------------|-------------|
| Test | | Result | 1 | EQL | Dilution | Units | Code | Anl Date/Time | Prep Method | Ani Method |
| Percent Lipids | | 1,95 | - | | 1 | % | | 10/31/07 | Pace Lipid | Pace Lipid |
| | | | | | | | Prep | Date/Time: 10/31/0 | 07 Ai | nl By: nbie |
| PCB | | | | | | | Prép | Date/Time: 10/30/0 | 07 9:29 AM A | nl By: CAH |
| Analyte | | Result | i | EQL | Dilution | Units | Code | Ani Date/Time | Prep Method | Ant Method |
| Aroclor 1016 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Arocior 1221 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Arodor 1232 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | 'SW846 3540C | SW846 8082 |
| Aroclor 1242 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Aroclor 1248 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Aroclor 1254 | | 100 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Aroclor 1260 | | 71 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Total PCBs | | 170 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:09 AM | SW846 3540C | SW846 8082 |
| Surrogate | | | LCL | UCL | | | | | • | |
| Tetrachloro-m-xylene | | 93 | 40 | 136 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| Decachlorobiphenyl | | 101 | 47 | 145 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| | | | | | | | | | | |

Analytical Report Number: 890029

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

Client: ARCADIS BBL
Project Name: WALLACE SITE

Project Number :

Field ID: UT-WS-08

Matrix Type: BIOTA
Collection Date: 10/22/07
Report Date: 11/14/07
Lab Sample Number: 890029-005

| INORGANICS | | | | | | | | | | |
|----------------------|---|--------|-----|-----|----------|-----------|------|--------------------------------|--------------------|----------------------------|
| Test | | Result | | EQL | Dilution | Units | Code | Anl Date/Time | Prep Method | Anl Method |
| Percent Lipids | | 0.88 | | | 1 | % | Prep | 10/31/07 Date/Time: 10/31/0 | Pace Lipid 07 A | Pace Lipid .nl By: nbie |
| PCB | | | | | | | Prep | Date/Time: 10/30/0 | 7 9:29 AM A | nl By: CAH |
| Analyte | | Result | | EQL | Dilution | Units | Code | Anl Date/Time | Prep Method | Ani Method |
| Aroclor 1016 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroctor 1221 | < | 50 | : | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroclor 1232 | < | 50 | : | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroclor 1242 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroctor 1248 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroclor 1254 | | 57 | ; | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Aroclor 1260 | < | 50 | : | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Total PCBs | | 57 | | 50 | 1 | ug/Kg wet | | 11/06/07 5:39 AM | SW846 35400 | SW846 8082 |
| Surrogate | | | LCL | UCL | | | | | | |
| Tetrachloro-m-xylene | - | 100 | 40 | 136 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| Decachlorobiphenyl | | 106 | 47 | 145 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL
Project Name: WALLACE SITE

Project Number :

Field ID: UT-CC-02

Matrix Type: BIOTA
Collection Date: 10/22/07
Report Date: 11/14/07
Lab Sample Number: 890029-006

| INORGANICS | | | | | | | |
|----------------------|---|--------|---------|----------|-----------|-------------------------------------|--|
| Test | | Result | EQL | Dilution | Units | Code Ani Date/Time | Prep Method Ani Method |
| Percent Lipids | | 1.03 | | 1 | % | 10/31/07 Prep Date/Time: 10/31/0 | Pace Lipid Pace Lipid O7 Anl By: nbie |
| PCB | | | | | | Prep Date/Time: 10/30/0 | 07 9:29 AM Ani By: CAH |
| Analyte | | Result | EQL. | Dilution | Units | Code Anl Date/Time | Prep Method Ani Method |
| Aroclor 1016 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1221 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1260 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Total PCBs | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 6:09 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL UCL | | | | |
| Tetrachloro-m-xylene | | 92 | 40 136 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachiorobiphenyl | | 97 | 47 145 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL Project Name: WALLACE SITE

Project Name: WALLACE SITE Project Number:

Field ID: CC-CM-01

Matrix Type: BIOTA
Collection Date: 10/22/07
Report Date: 11/14/07

| INORGANICS | | | | | | | | | | |
|----------------------|---|--------|-----|-----|----------|-----------|------|--------------------------------|--------------------|---------------------------|
| Test | | Result | f | EQL | Dilution | Units | Code | Ani Date/Time | Prep Method | Anl Method |
| Percent Lipids | | 4.14 | | - | 1 | % | Prep | 10/31/07 Date/Time: 10/31/0 | Pace Lipid 07 A | Pace Lipid nl By: nbie |
| РСВ | | | | | | | Prep | Date/Time: 10/30/0 | 7 9:29 AM A | nl By: CAH |
| Analyte | | Result | ŧ | EQL | Dilution | Units | Code | Ani Date/Time | Prep Method | Ani Method |
| Aroclor 1016 | < | 50 | | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Aroclor 1221 | < | 50 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Aroclor 1232 | < | 50 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Arocior 1242 | < | 50 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Aroclor 1248 | < | 50 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Aroclor 1254 | | 61 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Arocior 1260 | | 86 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Total PCBs | | 150 | 5 | 50 | 1 | ug/Kg wet | | 11/06/07 6:39 AM | SW846 3540C | SW846 8082 |
| Surrogate | | | LCL | UCL | | | | | | |
| Tetrachloro-m-xylene | | 78 | 40 | 136 | 1 , | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| Decachlorobiphenyl | | 96 | 47 | 145 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL
Project Name: WALLACE SITE

Project Number:

Field ID: CC-CS-06

Matrix Type: BIOTA
Collection Date: 10/22/07
Report Date: 11/14/07

| INORGANICS | | | | | | . • | |
|----------------------|----------|--------|---------|----------|-----------|-------------------------------------|--|
| Test | | Result | EQL | Dilution | Units | Code Anl Date/Time | Prep Method Ani Method |
| Percent Lipids | | 3,12 | *** | 1 | % | 10/31/07 Prep Date/Time: 10/31/0 | Pace Lipid Pace Lipid D7 Anl By: nbie |
| PCB | | | | | | Prep Date/Time: 10/30/0 | 07 9:29 AM Ani By: CAH |
| Analyte | | Result | EQL | Dilution | Units | Code Ani Date/Time | Prep Method Anl Method |
| Aroclor 1016 | < | 62 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1221 | < | 62 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 62 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 62 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 62 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | | 110 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Aroclor 1260 | | 77 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Total PCBs | | 180 | 62 | 1 | ug/Kg wet | 11/06/07 7:09 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL UCL | | | | |
| Tetrachloro-m-xylene | <u> </u> | 95 | 40 136 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachlorobiphenyl | | 104 | 47 145 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

Analytical Report Number: 890029

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

Client: ARCADIS BBL

Project Name: WALLACE SITE

Project Number:

Field ID: CC-SR-02

Matrix Type: BIOTA

Collection Date: 10/22/07 Report Date: 11/14/07

| INORGANICS | | | | | | | | | | |
|----------------------|---|--------|-----|-----|----------|-----------|------|--------------------|--------------|-------------|
| Test | | Result | E | QL | Dilution | Units | Code | Ani Date/Time | Prep Method | Ani Method |
| Percent Lipids | | 5.72 | | | 1 | % | | 10/31/07 | Pace Lipid | Pace Lipid |
| | | | | | | | Prep | Date/Time: 10/31/0 |)7 Aı | nl By: nbie |
| РСВ | | | | | | | Prep | Date/Time: 10/30/0 | 07 9:29 AM A | nt By: CAH |
| Analyte | | Result | E | QL | Dilution | Units | Code | Ani Date/Time | Prep Method | Ani Method |
| Arodor 1016 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Aroclor 1221 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Aroclor 1232 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Aroclor 1242 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Arocior 1248 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Aroclor 1254 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Aroclor 1260 | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Total PCBs | < | 50 | 5 | 0 | 1 | ug/Kg wet | | 11/06/07 7:40 AM | SW846 3540C | SW846 8082 |
| Surrogate | | | LCL | UCL | | | | | | |
| Tetrachloro-m-xylene | | 97 | 40 | 136 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |
| Decachlorobiphenyl | | 106 | 47 | 145 | 1 | % | | 11/06/07 | SW846 3540C | SW846 8082 |

Analytical Report Number: 890029

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

SW846 3540C SW846 8082

Client: ARCADIS BBL

Project Name: WALLACE SITE

Project Number:

Decachlorobiphenyl

Field ID: CC-HS-02

Matrix Type: BIOTA

Lab Sample Number: 890029-010

Collection Date: 10/22/07

Report Date: 11/14/07

INORGANICS Ani Method **EQL** Code Anl Date/Time Prep Method Test Result **Dilution Units** 0.70 1 % 10/31/07 Pace Lipid Pace Lipid Percent Lipids Prep Date/Time: 10/31/07 Anl By: nbie Ant By: CAH Prep Date/Time: 10/30/07 9:29 AM **PCB Dilution Units** Code Anl Date/Time Prep Method Anl Method Analyte Result EQL 50 50 1 ug/Kg wet 11/06/07 8:10 AM SW846 3540C SW846 8082 Aroclor 1016 < 11/06/07 8:10 AM SW846 3540C SW846 8082 Aroclor 1221 < 50 50 1 ug/Kg wet SW846 3540C SW846 8082 50 50 1 Aroclor 1232 < ug/Kg wet 11/06/07 8:10 AM SW846 3540C SW846 8082 Aroclor 1242 < 50 50 1 ug/Kg wet 11/06/07 8:10 AM SW846 3540C SW846 8082 Aroclor 1248 < 50 50 1 ug/Kg wet 11/06/07 8:10 AM 50 50 11/06/07 8:10 AM SW846 3540C SW846 8082 < 1 ug/Kg wet Aroclor 1254 SW846 3540C SW846 8082 Aroclor 1260 < 50 50 1 ug/Kg wet 11/06/07 8:10 AM SW846 3540C SW846 8082 < 50 50 11/06/07 8:10 AM 1 ug/Kg wet **Total PCBs** LCL UCL Surrogate SW846 3540C SW846 8082 % 11/06/07 Tetrachloro-m-xylene 84 40 136 1

%

11/06/07

1

94

47

145

Analytical Report Number: 890029

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

Client: ARCADIS BBL

Project Name: WALLACE SITE

Project Number:

Field ID: CC-SB-05

Matrix Type: BIOTA
Collection Date: 10/22/07

Report Date: 11/14/07 Lab Sample Number: 890029-011

| INORGANICS | | | | | | | |
|----------------------|---|--------|--------|----------|-----------|-------------------------|------------------------|
| Test | | Result | EQL | Dilution | Units | Code Anl Date/Time | Prep Method Ani Method |
| Percent Lipids | | 1.42 | | 1 | % | 10/31/07 | Pace Lipid Pace Lipid |
| | | | | | | Prep Date/Time: 10/31/ | 07 Ani By: nbie |
| PCB | | | | | | Prep Date/Time: 10/30/6 | 07 9:29 AM Ant By: CAH |
| Analyte | | Result | EQL | Dilution | Units | Code Anl Date/Time | Prep Method Anl Method |
| Aroclor 1016 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroclor 1221 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Aroctor 1260 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Total PCBs | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 9:41 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL UC | L | | | |
| Tetrachloro-m-xylene | | 97 | 40 136 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachlorobiphenyl | | 96 | 47 145 | 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

Analytical Report Number: 890029

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

Client : ARCADIS BBL

Project Name: WALLACE SITE

Project Number : Field ID : CC-SB-06

Matrix Type: BIOTA Collection Date: 10/22/07 Report Date: 11/14/07

| INORGANICS | | | | | | | |
|----------------------|--------------|--------|-------|-------------|-----------|-------------------------------------|--|
| Test | | Result | EC | L. Dilution | Units | Code Ani Date/Time | Prep Method Ani Method |
| Percent Lipids | | 1.68 | | 1 | % | 10/31/07 Prep Date/Time: 10/31/0 | Pace Lipid Pace Lipid D7 Ant By: nbie |
| РСВ | | | | | · | Prep Date/Time: 10/30/0 | 07 9:29 AM Ani By: CAH |
| Analyte | | Result | EC | L Dilution | Units | Code Anl Date/Time | Prep Method Anl Method |
| Aroclor 1016 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1221 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1232 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1242 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1248 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1254 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Aroclor 1260 | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Total PCBs | < | 50 | 50 | 1 | ug/Kg wet | 11/06/07 10:11 AM | SW846 3540C SW846 8082 |
| Surrogate | | | LCL U | CL | | | |
| Tetrachloro-m-xylene | ··· <u> </u> | 96 | 40 1 | 36 1 | % | 11/06/07 | SW846 3540C SW846 8082 |
| Decachiorobiohenvi | | 99 | 47 1 | 45 1 | % | 11/06/07 | SW846 3540C SW846 8082 |

LABORATORY NARRATIVE



CASE NARRATIVE - PCB ANALYSIS

Lab Report Number (SDG): 890029

Client: ARCADIS BBL

Project Name: WALLACE SITE

Project Number: N/A

1. RECEIPT

Samples were received on ice and remained frozen until time of preparation.

2. HOLDING TIMES

- A. Sample Preparation: All extraction holding times were met.
- B. Sample Analysis: All method holding times were met.

3. METHOD

A. Preparation: SW-846 3540CB. Analysis: SW-846 8082

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. Calibration:
 - 1. Initial verification: All method acceptance criteria were met for both the quantitation and confirmation columns.
 - Continuing verification: All method acceptance criteria were met. In the cases where an
 individual peak did not meet the 15% D criteria, no corrective action was taken because the
 average of all Aroclor peaks was less than 15%.
- B. Method Blank: All in-house acceptance criteria were met for method blank SVG2253-053PCBMB.
- **C. Surrogates:** All in-house surrogate recovery acceptance criteria were met. The surrogates are only evaluated on the quantitation column.
- D. Spikes:
 - 1. Lab Control Spike (LCS): Control spike SVG2253-053PCBLCS was fortified with Aroclor 1254 and met the in-house accuracy criteria.
 - 2. Matrix Spike / Matrix Spike Duplicate (MS/MSD): Sample CC-HS-02 was designated as the parent sample of the MS/MSD for this SDG and two portions of the sample were fortified with Aroclor 1254. The MS/MSD required a 1:4 dilution to bring the fortified Aroclor within instrument calibration range. The in-house accuracy and precision criteria were met
- **E. Samples:** Sample analyses proceeded normally. RTX-CLP is the quantitation column. RTX-CLP ii is the confirmation column.
- **F. Sample Duplicate:** A sample duplicate was not performed with this SDG.
- G. Dilutions: None required.
- H. Reanalysis: None required.
- 1. **Comments:** Due to rounding differences in the software programs used, the values found on the quantitation reports may not match the values found on the sample Form 1s.

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

| Signed: | Mate Elirans | Date: | 11/14/07 |
|---------|---------------|-----------|---------------------------|
| Name: | Kate E. Grams | Position: | Quality Assurance Auditor |

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

| Sample | | | | | | C | ompliand | Noncompliance | | |
|-------------------|------------------|-------------|-----------|--------|-----|---------|----------|---------------|------|--|
| Delivery Group | Sampling Date | Protocol | Sample ID | Matrix | voc | svoc | РСВ | MET | MISC | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-CC-01 | Biota | | | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-FM-06 | Biota | | | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-FM-07 | Biota | | | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-WS-07 | Biota | | | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-WS-08 | Biota | | 1 | Yes | ı | | |
| 890029 | 10/22/2007 | SW-846 8082 | UT-CC-02 | Biota | | | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-CM-01 | Biota | | +- | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-CS-06 | Biota | | ť | Yes | • | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-SR-02 | Biota | | ł | Yes | - | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-HS-02 | Biota | | | Yes | - | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-SB-05 | Biota | | - | Yes | | | |
| 890029 | 10/22/2007 | SW-846 8082 | CC-SB-06 | Biota | | | Yes | | | |

Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

