

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.

Very truly yours,

Matthew D. Millias for SPS

Steven P. Stucker, P.G.
Senior Environmental Engineer
National Grid

Enclosures

Cc: Matthew Millias - CDM
Timothy Beaumont - CDM

Contents

Section 1	Introduction	
1.1	Introduction.....	1-1
1.2	Site Background.....	1-1
1.3	OM&M Overview.....	1-2
Section 2	Discharge Water Monitoring	
2.1	General.....	2-1
2.2	Discharge Water Sampling Analytical Results.....	2-1
Section 3	Groundwater Monitoring	
3.1	General.....	3-1
3.2	Groundwater Sampling Analytical Results.....	3-1
3.3	Analytical Results Data Validation.....	3-1
Section 4	NAPL Monitoring	
4.1	LNAPL Recovery Systems O&M.....	4-1
4.1	LNAPL Recovery.....	4-1
Section 5	Operation and Maintenance Activities	
5.1	2007 O&M Activities.....	5-1
5.2	January 2007 Operations and Maintenance Activities.....	5-2
5.3	February 2007 Operations and Maintenance Activities.....	5-3
5.4	March 2007 Operations and Maintenance Activities.....	5-3
5.5	April 2007 Operations and Maintenance Activities.....	5-4
5.6	May 2007 Operations and Maintenance Activities.....	5-4
5.7	June 2007 Operations and Maintenance Activities.....	5-5
5.8	July 2007 Operations and Maintenance Activities.....	5-5
5.9	August 2007 Operations and Maintenance Activities.....	5-7
5.10	September 2007 Operations and Maintenance Activities.....	5-7
5.11	October 2007 Operations and Maintenance Activities.....	5-9
5.12	November 2007 Operations and Maintenance Activities.....	5-9
5.13	December 2007 Operations and Maintenance Activities.....	5-10
5.14	Completed O&M Recommendations.....	5-10
5.15	Recommendations.....	5-11
Section 6	References	

Tables

Table 1 2007 System Operations

Figures

Figure 1 Site Location Map

Figure 2 Structure Location Map

Appendices

Appendix A Off-Site Well Inspection Forms

Appendix B Monthly Analytical Reports

Appendix C Validated Semi-Annual Sampling Event Analytical Reports

Appendix D LNAPL Recovery System Operation and Maintenance/Site Inspections

Appendix E Quarry Pond Water Treatment System Sampling

Appendix F Biota Sampling and Analysis Program

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 semi-annually 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	
	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

<i>Year</i>	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 compiled 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 off-site.
- 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.



Fence Installation



- 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.



Snow Removal



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. Enviromation 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). Enviromation 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.
- 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.



Removed Booster; Installed 4" Bypass

5.6 May 2007 Operations and Maintenance Activities

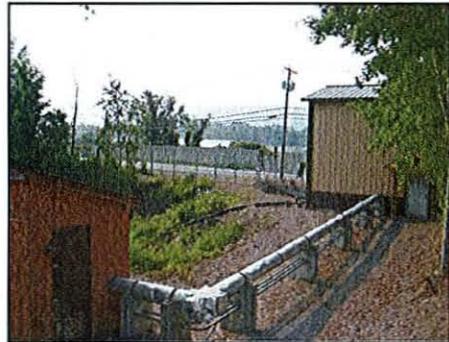
During the month of May, the following OM&M activities were conducted by CDM:

- 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; Enviromation will be programming it in August. This is necessary to monitor flows above 199 gpm at the influent of the primary water treatment system.



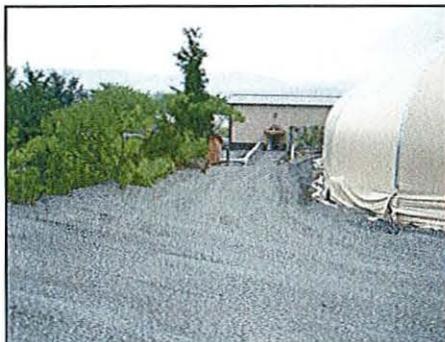
Flow Meter

- 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 Enviromation 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 backwash timer now are controlled by the on/off of the submersible pumps).



PLC Program Modifications



- 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

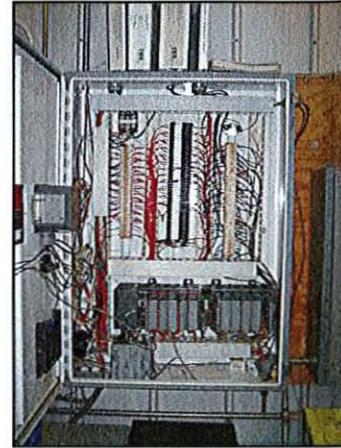


5.10 September 2007 Operations and Maintenance Activities

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.



PLC System

- 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 Enviromation'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.
- 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.
- 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.

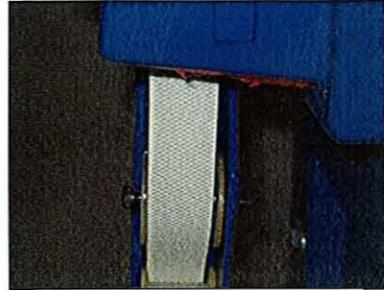


Heat Cable in Culvert

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.
- 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.



Skimmer Belt Replacement

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 Enviromation 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. Enviromation 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

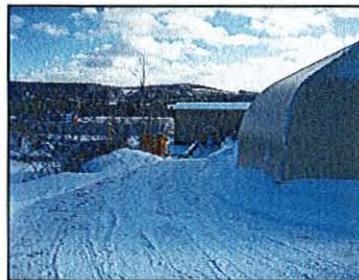
5.13 December 2007 Operations and Maintenance Activities

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.
- 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).



Primary Water Treatment Building



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.
 - 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.

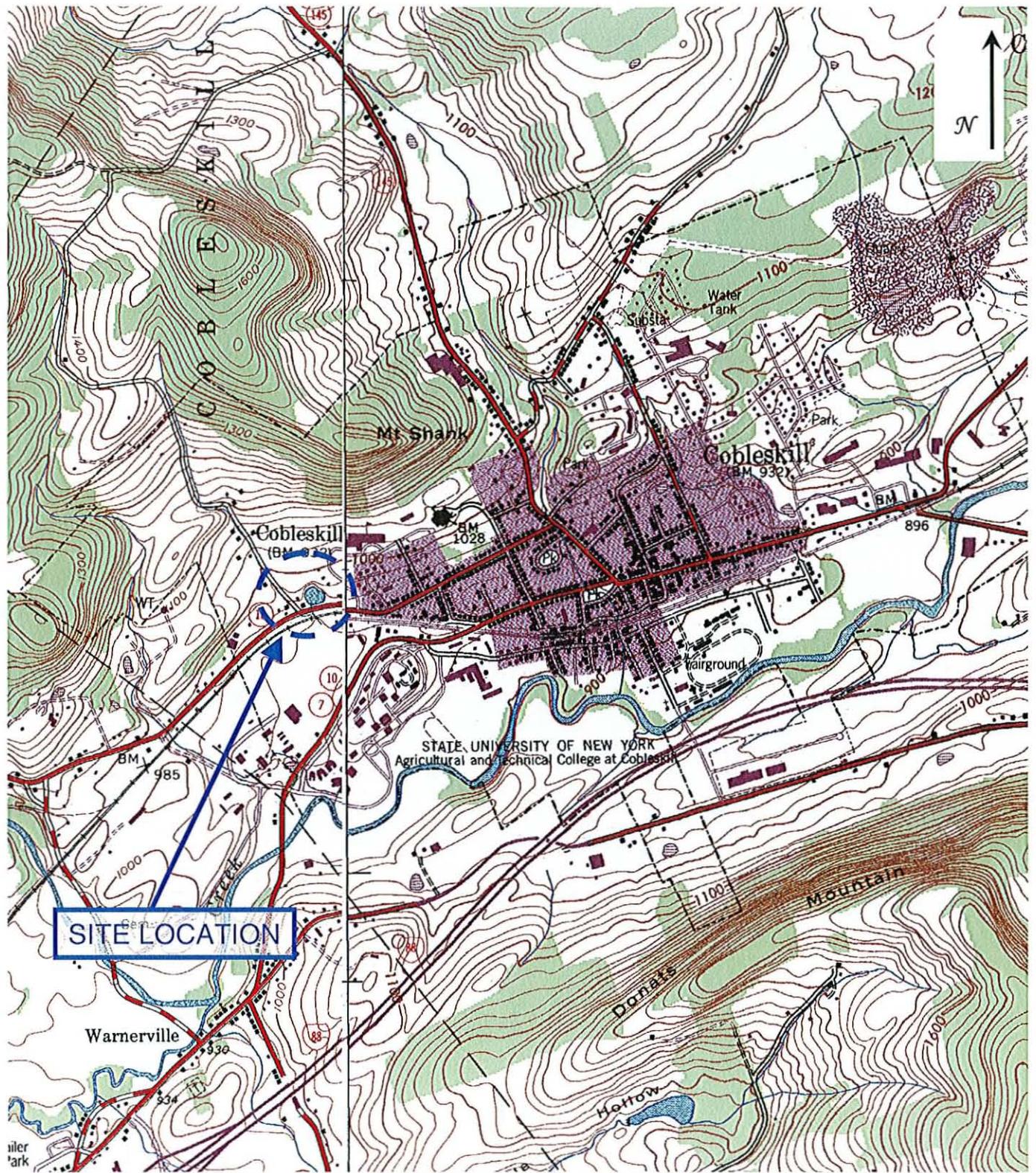
Table 1 - 2007 System Operations

DATE	TIME	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
		FEET	INCHES	FEET	GPM	GPM	GPM	PSI	PSI	PSI	PSI	° F	° F	NTU	NTU	pH	MIN	MIN
		LT1	LT2	LT4	FT1	FT2	PT1	PT2	PT3	PT4	PT5	TT1	TT2	MT1	MT2			
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	22.5	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	10.1	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	71	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	73	n/a	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
10/28/2007	1300	6.36	7.2	10.7	143	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	10.6	90	n/a	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	7.6	10.7	148	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																
10/21/2007	1730	7.72																
10/19/2007	815	7.53																
10/17/2007	800	7.40																
10/12/2007	845	6.86																
10/7/2007	1800	5.41																
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	102	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																
9/27/2007	1040	4.70																
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

DATE	TIME	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
		FEET	INCHES	FEET	GPM	GPM	GPM	PSI	PSI	PSI	PSI	°F	°F	NTU	NTU	pH	MIN	MIN
		LT1	LT2	LT4	FT1	FT2	PT1	PT2	PT3	PT4	PT5	TT1	TT2	MT1	MT2			
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																
9/15/2007	1400	5.58																
9/14/2007	1230	5.45																
9/10/2007	700	5.07																
9/7/2007	1130	4.96																
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																
8/9/2007	720	5.72																
8/2/2007	645	5.56																
8/1/2007	730	5.55																
7/31/2007	1930	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																
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																
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	307
6/29/2007	715	5.68	18.8	10.7	32	-5	12.5	12.0	11.1	5.1	3.8	73.0	75.9	2.20	1.65	6.23	152	336
6/27/2007	720	5.76	12.4	7.5	34	-5	13.1	13.0	10.8	5.2	34.3	73.0	75.5	2.30	1.58	6.22	9	193
6/22/2007	1130	5.84	15.8	8.9	42	-5	13.2	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	4.44	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	326
5/17/2007	1230	6.50	24.8	10.6	105	-5	8.6	10.7	8.9	5.5	3.8	60.0	58.1	4.89	4.62	6.45	185	369
5/17/2007	750	6.52	25.1	10.7	147	-5	13.4	17.0	14.2	6.3	3.8	59.0	61.2	6.35	5.40	6.35	323	117
5/14/2007	750	6.94	29.0	10.7	151	-5	13.3	16.5	13.9	6.3	3.8	59.0	62.8	2.80	2.52	6.54	295	89
5/11/2007	710	7.07	30.2	10.7	152	-5	14.1	18.5	13.2	6.4	3.8	62.0	66.7	2.85	2.71	6.54	230	24
5/10/2007	715	6.64	30.8	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			103													
5/8/2007	1530	6.54	0.9	10.7	103	-5	9.9	11.7	10.3	5.5	3.8	61.0	69.9	1.30	0.79	6.39	140	324
5/4/2007	730	6.84	4.3	10.6	102	-5	10.0	11.5	10.0	5.5	3.8	53.0	62.5	1.70	1.59	6.26	146	330

DATE	TIME	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
		FEET	INCHES	FEET	GPM	GPM	GPM	PSI	PSI	PSI	PSI	° F	° F	NTU	NTU	pH	MIN	MIN
		LT1	LT2	LT4	FT1	FT2	PT1	PT2	PT3	PT4	PT5	TT1	TT2	MT1	MT2			
3/24/2007	1320	9.53	20.9	10.6	181	-5	36.8	33.7	29.8	8.4	3.8	40.0	60.6	0.92	0.54	6.68	117	301
3/22/2007	1045	8.24	23.3	10.6	185	-5	35.9	32.6	29.3	8.6	3.8	38.0	59.1	0.92	0.61	6.92	206	389
3/20/2007	2130	8.66	25.1	10.6	195	-5	36.2	32.2	27.8	8.9	3.8	37.0	55.9	1.02	0.65	6.82	309	103
3/20/2007	800	8.82	25.8	10.6	197	-5	36.2	31.9	27.3	9.1	3.8	37.0	56.5	1.02	0.65	6.86	274	68
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	1.04	6.86	110	294
3/19/2007	700	9.00		10.7	168	-5	34.0	38.5	35.1	7.7	3.8	38.3		1.02	0.51	6.55		
3/18/2007	1800	9.10			163									1.01	0.60	6.72		
3/14/2007	1000																	
3/13/2007	1600																	
3/13/2007	830	5.72	30.1	10.6	168													
3/12/2007	720	5.59																
3/11/2007	2100	5.68																
3/11/2007	1800	5.66																
3/11/2007	1120	5.58																
3/10/2007	1800	5.79																
3/10/2007	1300	5.86																
3/10/2007	900	5.90																
3/9/2007	1810	6.10																
3/9/2007	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	7.04	388	312
3/8/2007	810	6.64	6.7	4.4	50	-5	10.2	10.1	9.6	5.0	1.1	36.0	57.4	0.92	0.93	6.94	118	42
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	6.99	383	316
3/4/2007	1800	6.62																
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	7.14	61	383
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	7.21	200	132
3/2/2007	2000	6.24																
3/2/2007	1540	6.10																
3/2/2007	715	5.82																
3/1/2007	2030	5.83																
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	1.53	7.38	37	359
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	7.47	262	194
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	7.62	366	298
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	7.75	227	160
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	7.64	10	332
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	7.64	49	371
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	7.85	231	163
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	7.19	222	154
2/20/2007	800	8.14		9.7								35.0	75.4					
2/18/2007	1615	7.99		9.7								35.0	75.0					
2/16/2007	730	7.77		9.7								35.0	75.7					
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																
1/31/2007	708	5.88																
1/30/2007	853	5.74	22.4	10.6	127	-5	14.4	22.0	19.7	6.6	3.8	37.0	57.4	3.70	2.28	7.59	173	105
1/28/2007	1605	6.11	24.2	10.6	127	-5	15.8	21.4	19.2	6.7	3.8	37.0	59.9	3.80	2.39	7.61	64	386
1/26/2007	920	6.55	26.7	10.6	127	-5	16.0	20.8	18.2	6.7	3.8	38.0	55.8	3.39	2.15	7.42	290	222
1/23/2007	650	7.13	30.1	10.6	131	-5	15.9	18.6	16.4	6.8	3.8	38.0	58.1	3.29	2.36	7.48	113	45
1/22/2007	1038	7.22	30.8	10.6	156	-5	26.9	40.0	37.1	7.4	3.8	38.0	60.8	3.29	2.22	7.47	148	80
1/21/2007	1545	7.37	31.6	10.6	150	-5	26.8	39.6	36.6	7.4	3.8	38.0	60.6	3.39	2.32	7.49	183	115
1/18/2007	900	7.84	29.0	10.6	155	-5	21.2	35.1	32.3	7.4	3.8	38.0	60.7	3.20	2.36	7.46	219	151
1/16/2007	1820	7.90	29.0	10.6	151	-5	21.3	33.7	31.0	7.4	3.8	39.0	60.6	6.79	4.68	7.57	246	178
1/14/2007	1240	7.11	29.0	10.6	157	-5	21.3	32.5	29.8	7.5	3.8	39.0	62.4	5.60	4.28	7.71	146	78
1/12/2007	715	7.45	29.0	10.6	157	-5	21.5	31.4	28.5	7.6	3.8	39.0	61.8	5.79	4.25	7.70	64	386

D A T E	T I M E	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
		FEET	INCHES	FEET	GPM	GPM	GPM	PSI	PSI	PSI	PSI	" F	" F	NTU	NTU	pH	MIN	MIN
		LT1	LT2	LT4	FT1	FT2	PT1	PT2	PT3	PT4	PT5	TT1	TT2	MT1	MT2			
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



Notes:

USGS Topo. Quads. Cobleskill and Richmondville used to create base map.

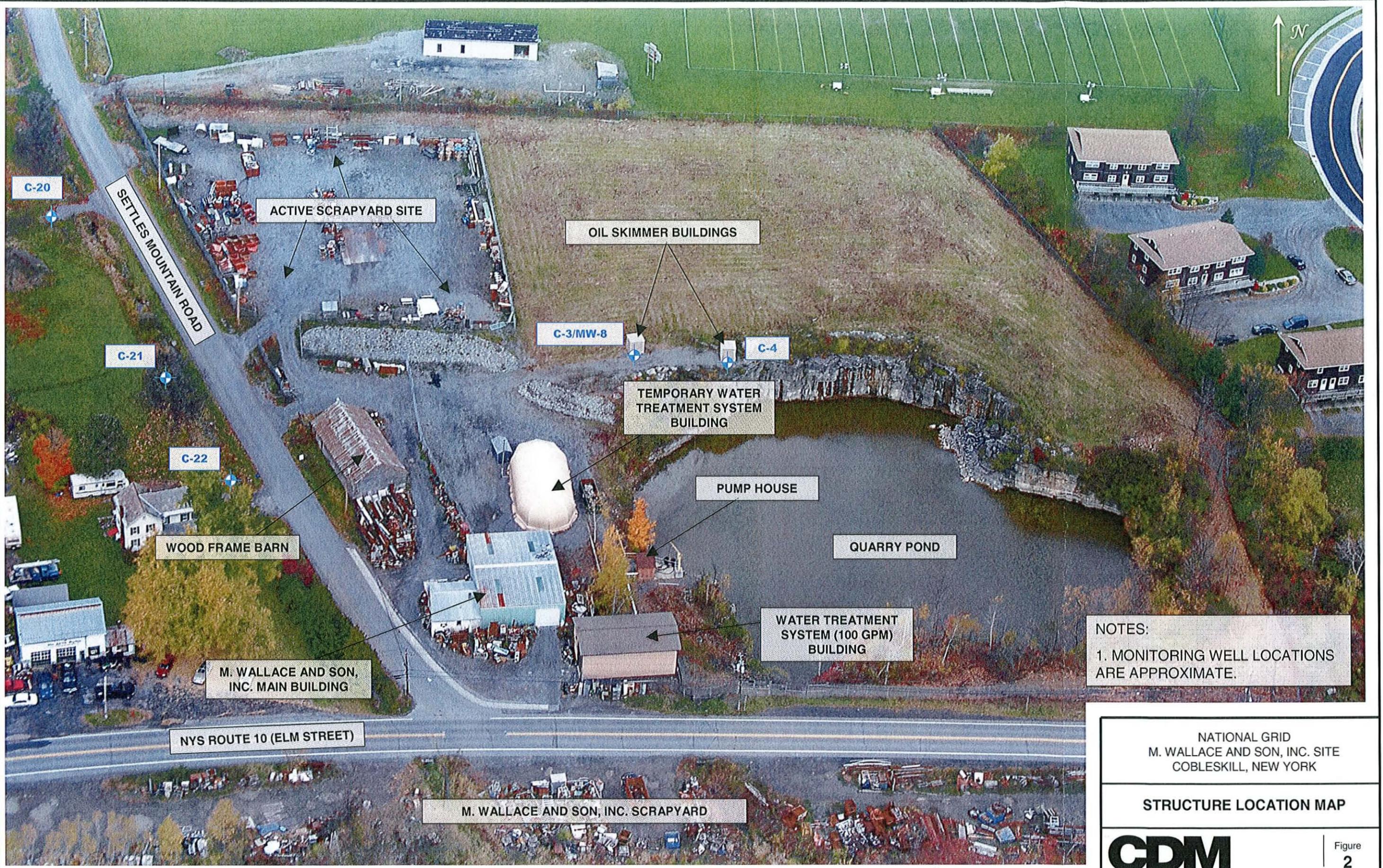


NATIONAL GRID
M. WALLACE AND SON, INC. SITE
COBLESKILL, NEW YORK

SITE LOCATION MAP

CDM

Figure
1



NOTES:
1. MONITORING WELL LOCATIONS ARE APPROXIMATE.

NATIONAL GRID
M. WALLACE AND SON, INC. SITE
COBLESKILL, NEW YORK

STRUCTURE LOCATION MAP

*Offsite Well Inspection Forms
April Semi-Annual Sampling Event*

Well 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	

Sampling Personnel: Tim Beaumont
Well Number: 36380.51170
Well Id. C-20

Date: 4/10/07
Weather: Partly Cloudy 30's
Time In: 0900 Time Out: 1025

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>31.60</u>	
Depth to Bottom:	(feet)	<u>70.22</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>38.62</u>	
Volume of Water in Well:	(gal)	<u>25.49</u>	
Three Well Volumes:	(gal)	<u>76.47</u>	

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments: Installed modified 4" cap.

Purging Information

Purging Method: _____
Tubing/Bailer Material: _____
Sampling Method: _____
Average Pumping Rate: (ml/min) 250
Duration of Pumping: (min) 30
Total Volume Removed: (gal) ~ 3.0 Did well go dry? Yes No
Striba U-22 Water Quality Meter Used? Yes No

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Pump was place in the middle of the water column 51 ft.

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
<u>930</u>	<u>33.55</u>		<u>6.92</u>	<u>.660</u>	<u>52.6</u>	<u>8.30</u>	<u>10.28</u>	<u>-88</u>
<u>935</u>	<u>34.00</u>		<u>6.83</u>	<u>.657</u>	<u>61.0</u>	<u>6.60</u>	<u>10.25</u>	<u>-90</u>
<u>940</u>	<u>34.35</u>		<u>6.81</u>	<u>.652</u>	<u>61.2</u>	<u>6.50</u>	<u>10.20</u>	<u>-89</u>
<u>945</u>	<u>34.82</u>		<u>6.82</u>	<u>.650</u>	<u>62.1</u>	<u>6.81</u>	<u>10.31</u>	<u>-87</u>
<u>950</u>	<u>35.35</u>		<u>6.85</u>	<u>.650</u>	<u>59.2</u>	<u>6.72</u>	<u>10.34</u>	<u>-80</u>
<u>955</u>	<u>36.00</u>		<u>6.87</u>	<u>.649</u>	<u>58.4</u>	<u>6.64</u>	<u>10.34</u>	<u>-75</u>
<u>1000</u>	<u>36.52</u>		<u>6.88</u>	<u>.649</u>	<u>58.6</u>	<u>6.59</u>	<u>10.36</u>	<u>-74</u>

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 6 - 1 liter amber Yes No
EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 3 - 1 liter amber Yes No
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)

Sample ID: C-20-0407 Duplicate? Yes No
Sample Time: 1000 MS/MSD? Yes No
Shipped: Drop-off STL Syracuse
Fed-Ex UPS

Comments/Notes:

NO ODOR, NO STEW

Laboratory: Severn Trent Laboratory
Amherst, New York

Sampling Personnel: Tim Beaumont
Number: 36380.51170
Well Id. C-21

Date: 4/10/07
Weather: Partly Cloudy 30's
Time In: 1030 Time Out: 1115

Well Information		TOC	Other
Depth to Water:	(feet)	<u>17.50</u>	
Depth to Bottom:	(feet)	<u>64.20</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>46.70</u>	
Volume of Water in Well:	(gal)	<u>30.82</u>	
Three Well Volumes:	(gal)	<u>92.46</u>	

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments:

Purging Information

Purging Method: Bailer Peristaltic Grundfos Pump
Tubing/Bailer Material: Teflon Stainless St. Polyethylene
Sampling Method: Bailer Peristaltic Grundfos Pump
Average Pumping Rate: (ml/min) 250
Duration of Pumping: (min) 30
Total Volume Removed: (gal) ~ 4.0 Did well go dry? Yes No
Hanna U-22 Water Quality Meter Used? Yes No Pump was placed in the middle of the water column 40 ft.

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
<u>1035</u>	<u>19.20</u>		<u>6.93</u>	<u>.489</u>	<u>66.0</u>	<u>8.01</u>	<u>9.89</u>	<u>42</u>
<u>1040</u>	<u>19.75</u>		<u>6.92</u>	<u>.486</u>	<u>63.6</u>	<u>7.81</u>	<u>9.95</u>	<u>46</u>
<u>1045</u>	<u>20.10</u>		<u>6.94</u>	<u>.486</u>	<u>65.6</u>	<u>7.78</u>	<u>9.52</u>	<u>46</u>
<u>1050</u>	<u>20.75</u>		<u>6.94</u>	<u>.486</u>	<u>57.4</u>	<u>7.64</u>	<u>9.10</u>	<u>48</u>
<u>1055</u>	<u>21.00</u>		<u>6.94</u>	<u>.487</u>	<u>54.0</u>	<u>7.54</u>	<u>8.88</u>	<u>48</u>
<u>1100</u>	<u>21.55</u>		<u>6.95</u>	<u>.487</u>	<u>52.6</u>	<u>7.50</u>	<u>8.88</u>	<u>49</u>
<u>1105</u>	<u>22.04</u>		<u>6.95</u>	<u>.487</u>	<u>51.4</u>	<u>7.46</u>	<u>8.88</u>	<u>49</u>

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 4 - 1 liter amber Yes No
EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes No
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)
Sample ID: C-21-0407 Duplicate? Yes No FD-0407 Shipped: Drop-off STL Syracuse
Sample Time: 1105 MS/MSD? Yes No Fed-Ex UPS

Comments/Notes:
NO ODOR, NO SHEEN

Laboratory: Severn Trent Laboratory
Amherst, New York

Sampling Personnel: Tim Beaumont
W Number: 36380.51170
Well Id. C-22

Date: 4/10/07
Weather: Partly Cloudy 30's
Time In: 1120 Time Out: 1220

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>11.80</u>	
Depth to Bottom:	(feet)	<u>50.95</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>39.15</u>	
Volume of Water in Well:	(gal)	<u>25.84</u>	
Three Well Volumes:	(gal)	<u>77.52</u>	

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments:

Purging Information

Purging Method: Bailer Peristaltic Grundfos Pump
Tubing/Bailer Material: Teflon Stainless St. Polyethylene
Sampling Method: Bailer Peristaltic Grundfos Pump
Average Pumping Rate: (ml/min) ~ 600
Duration of Pumping: (min) 30
Total Volume Removed: (gal) ~ 7.0 Did well go dry? Yes No

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Hanna U-22 Water Quality Meter Used? Yes No Pump was placed in the middle of the water column 32 ft.

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
<u>1125</u>	<u>11.80</u>		<u>7.98</u>	<u>.337</u>	<u>196</u>	<u>12.22</u>	<u>8.03</u>	<u>.32</u>
<u>1130</u>	 		<u>7.75</u>	<u>.335</u>	<u>152</u>	<u>11.65</u>	<u>7.70</u>	<u>.32</u>
<u>1135</u>		<u>7.44</u>	<u>.333</u>	<u>123</u>	<u>11.47</u>	<u>7.67</u>	<u>.33</u>	
<u>1140</u>		<u>7.46</u>	<u>.332</u>	<u>72.4</u>	<u>11.44</u>	<u>7.42</u>	<u>.30</u>	
<u>1145</u>		<u>7.49</u>	<u>.330</u>	<u>67.5</u>	<u>11.42</u>	<u>7.32</u>	<u>.28</u>	
<u>1150</u>		<u>7.50</u>	<u>.330</u>	<u>65.1</u>	<u>11.35</u>	<u>7.30</u>	<u>.24</u>	
<u>1155</u>		<u>7.50</u>	<u>.330</u>	<u>57.2</u>	<u>11.24</u>	<u>7.29</u>	<u>.22</u>	

Sampling Information:

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
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)

Sample ID: C-22-0407 Duplicate? Yes No
Sample Time: 1200 MS/MSD? Yes No
Shipped: Drop-off STL Syracuse
Fed-Ex UPS

Comments/Notes: no odor no sheen
Laboratory: Severn Trent Laboratory
Amherst, New York

*Offsite Well Inspection Forms
October Semi-Annual Sampling Event*

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	

Sampling Personnel: Tim Beaumont
Job Number: 36380.51170
Well Id. C-20

Date: 10/2/07
Weather: Sunny 50's
Time In: 1030 Time Out: 1135

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>34.02</u>	
Depth to Bottom:	(feet)	<u>70.22</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>36.20</u>	
Volume of Water in Well:	(gal)	<u>23.89</u>	
Three Well Volumes:	(gal)	<u>71.68</u>	

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments:

Purging Information

Purging Method: _____
Tubing/Bailer Material: _____
Sampling Method: _____
Average Pumping Rate: (ml/min) 350 *lowest to maintain flow*
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 5.0 gal Did well go dry? Yes No
Mettler U-22 Water Quality Meter Used? Yes No

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Pump was placed in the middle of the water column 52 ft.

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
1050	37.70		7.05	1.02	66.2	2.96	13.85	111
1055	38.35		6.89	1.88	56.7	1.49	13.93	85
1100	38.75		6.85	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		6.85	5.71	47.1	1.38	15.02	65
1115	40.15		6.85	5.90	42.5	1.38	15.07	62
1120	40.82		6.85	5.94	47.2	1.35	15.05	58

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 6 - 1 liter amber Yes No
EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 3 - 1 liter amber Yes No
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)

Sample ID: C-20-1007 Duplicate? Yes No
Sample Time: 1120 MS/MSD? Yes No

Shipped: Drop-off Syracuse Service Center
Fed-Ex UPS

Comments/Notes:

No odor no seen.

Laboratory: Test America
Amherst, New York

Sampling Personnel: Tim Beaumont
Well Number: 36380.51170
Well Id. C-21

Date: 10/2/07
Weather: Sunny 60's
Time In: 1155 Time Out: 1245

Well Information			TOC	Other
Depth to Water:	(feet)	<u>21.00</u>		
Depth to Bottom:	(feet)	<u>64.20</u>		
Depth to Product:	(feet)	<u>—</u>		
Length of Water Column:	(feet)	<u>43.20</u>		
Volume of Water in Well:	(gal)	<u>28.51</u>		
Three Well Volumes:	(gal)	<u>85.53</u>		

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments:

Purging Information

Purging Method: Bailer Peristaltic Grundfos Pump
Tubing/Bailer Material: Teflon Stainless St. Polyethylene
Sampling Method: Bailer Peristaltic Grundfos Pump
Average Pumping Rate: (ml/min) 400 *Maximum to maintain flow*
Duration of Pumping: (min) 30
Total Volume Removed: (gal) 5.0 Did well go dry? Yes No
Striba U-22 Water Quality Meter Used? Yes No Pump was placed in the middle of the water column 43 ft.

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
1200	22.80		7.02	1.34	37.3	1.95	11.70	60
1205	26.00		7.00	1.75	40.1	1.87	11.26	86
1210	28.70		6.99	1.78	22.9	2.79	13.10	60
1215	30.10		7.00	1.83	21.9	3.17	12.88	56
1220	31.07		7.00	1.78	19.4	3.36	12.91	53
1225	32.24		7.01	1.79	20.2	3.41	12.94	57
1230	33.71		7.01	1.82	19.0	3.45	12.95	50

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 4 - 1 liter amber Yes No
EPA SW-846 Method 8082 "Hold" PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes No
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)

Sample ID: C-21-1007 Duplicate? Yes No FD-1007 Shipped: Drop-off Syracuse Service Center
Sample Time: 1230 MS/MSD? Yes No Fed-Ex UPS

Comments/Notes: NO ORP NO SHEEN

Laboratory: Test America
Amherst, New York

Sampling Personnel: Tim Beaumont
Job Number: 36380.51170
Well Id. C-22

Date: 10/2/07
Weather: Sunny 60's
Time In: 1250 Time Out: 1350

Well Information		TOC	Other
Depth to Water:	(feet)	<u>17.32</u>	
Depth to Bottom:	(feet)	<u>50.95</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>33.63</u>	
Volume of Water in Well:	(gal)	<u>22.20</u>	
Three Well Volumes:	(gal)	<u>66.60</u>	

Well Type: Flushmount Stick-Up
Well Locked: Yes No
Measuring Point Marked: Yes No
Well Material: PVC SS Other: steel
Well Diameter: 1" 2" Other: 4"
Comments:

Purging Information

Purging Method: Bailer Peristaltic Grundfos Pump
Tubing/Bailer Material: Teflon Stainless St. Polyethylene
Sampling Method: Bailer Peristaltic Grundfos Pump
Average Pumping Rate: (ml/min) 400 *minimum to maintain flow*
Duration of Pumping: (min) 30
Total Volume Removed: (gal) -5.0 Did well go dry? Yes No
Moriba U-22 Water Quality Meter Used? Yes No Pump was place in the middle of the water column 34 ft.

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp °C	ORP (mV)
1255	18.80		7.11	.95	66.9	7.03	12.21	112
1300	19.92		7.05	1.62	48.2	1.59	12.49	83
1305	20.15		7.04	3.72	45.3	1.34	13.19	64
1310	20.50		6.59	4.84	48.2	1.54	13.62	45
1315	20.84		6.59	5.01	48.6	1.73	13.93	41
1320	20.92		6.59	5.00	46.2	2.07	13.95	39
1325	21.00		7.00	5.04	46.0	2.15	13.97	36

Sampling Information:

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
(Lab filter "Hold" sample and analyze only if there is detection in the primary sample.)

Sample ID: C-22-1007 Duplicate? Yes No
Sample Time: 1325 MS/MSD? Yes No
Shipped: Drop-off Syracuse Service Center
Fed-Ex UPS
Laboratory: Test America
Amherst, New York

Comments/Notes:
no OAR no stem.

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
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA, RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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,A07-1040STL Project#: NY7A9595SDG#: 1Q07COSite Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1038,A07-1040STL Project#: NY7A9595SDG#: 1Q07COSite Name: Niagara Mohawk O & MGeneral 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 °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	-	-	-	CFR136	-	-	-
NTS-EW-0107	A7103802	-	-	-	CFR136	-	-	-
NTS-EW-0107 DUP	A7104002	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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.

NTS-BCW-0107

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 1Q07C0Matrix: (soil/water) WATERLab Sample ID: A7103801Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 12A70066.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 01/30/2007 02/01/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 02/05/2007Concentrated Extract Volume: 1000 (uL)Date Analyzed: 02/06/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

12674-11-2----	Aroclor 1016	0.094	U
11104-28-2----	Aroclor 1221	0.094	U
11141-16-5----	Aroclor 1232	0.094	U
53469-21-9----	Aroclor 1242	0.094	U
12672-29-6----	Aroclor 1248	0.094	U
11097-69-1----	Aroclor 1254	0.094	U
11096-82-5----	Aroclor 1260	0.094	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

NTS-EW-0107

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 1007CO

Matrix: (soil/water) WATER

Lab Sample ID: A7103802

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A70068.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 01/30/2007 02/01/2007

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

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: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
12674-11-2----	Aroclor 1016	0.094	U
11104-28-2----	Aroclor 1221	0.094	U
11141-16-5----	Aroclor 1232	0.094	U
53469-21-9----	Aroclor 1242	0.094	U
12672-29-6----	Aroclor 1248	0.094	U
11097-69-1----	Aroclor 1254	0.094	U
11096-82-5----	Aroclor 1260	0.094	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: 1007COGC Column(1): ZB-35ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B0168101	98	86							0
2	Matrix Spike Blk Dup	A7B0168102	90	105							0
3	Method Blank	A7B0168103	96	77							0
4	NTS-BCW-0107	A7103801	70	89							0
5	NTS-EW-0107	A7103802	74	94							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: STL Buffalo Contract: _____ Lab Samp ID: A7B0168103

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 1Q07CO

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1260	0.500	0.517	104	40 - 136	
Aroclor 1016	0.500	0.473	95	38 - 130	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1260	0.500	0.510	102	2	50	40 - 136	
Aroclor 1016	0.500	0.469	94	1	50	38 - 130	

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: 1007COLab Sample ID: A7B0168103Lab File ID: 12A70056.TX0Matrix: (soil/water) WATERExtraction: SEPFSulfur Cleanup: (Y/N): YDate Extracted: 02/05/2007Date Analyzed (1): 02/06/2007

Date Analyzed (2): _____

Time Analyzed (1): 12:59

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B0168101	02/06/2007	
2	Matrix Spike Blk Dup	A7B0168102	02/06/2007	
3	NTS-BCW-0107	A7103801	02/06/2007	
4	NTS-EW-0107	A7103802	02/06/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 1Q07CO

Matrix: (soil/water) WATER

Lab Sample ID: A7B0168103

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: 12A70056.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

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) Y

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.10	U
11104-28-2----	Aroclor 1221	0.10	U
11141-16-5----	Aroclor 1232	0.10	U
53469-21-9----	Aroclor 1242	0.10	U
12672-29-6----	Aroclor 1248	0.10	U
11097-69-1----	Aroclor 1254	0.10	U
11096-82-5----	Aroclor 1260	0.10	U
-----	Total Polychlorinated Biphenyls	0.10	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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, A07-1040STL Project#: NY7A9595SDG#: 1Q07COSite Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1038, A07-1040STL Project#: NY7A9595SDG#: 1Q07COSite Name: Niagara Mohawk O & MGeneral 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 °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: CDM Project Manager: Matt Millias Date: 1/30/07 Chain of Custody Number: 138708

Address: 1 General Motors Drive Telephone Number (Area Code)/Fax Number: 315 434 3256 315 463 5100 Lab Number: _____

City: Syracuse State: NY Zip Code: 13206 Site Contact: JM Bowman Lab Contact: _____

Project Name and Location (State): MWallace and Sun Enc Cables Rd N.Y. Carrier/Waybill Number: drop off

Contract/Purchase Order/Quote No. _____

Page 1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
NTS-BCW-0107	1/30/07	0900		X			2									detection limit of 0.05 ppb
NTS-BCW-0107 (DUP)		0900		X			2									
NTS-ELW-0107		0905		X			2									
NTS-ELW-0107 (DUP)		0905		X			2									

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

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

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other SID

QC Requirements (Specify): CAT B

1. Relinquished By: <u>[Signature]</u>	Date: <u>1/31/07</u>	Time: <u>945</u>	1. Received By: <u>[Signature]</u>	Date: <u>01/31/07</u>	Time: <u>09:45</u>
2. Relinquished By: _____	Date: _____	Time: _____	2. Received By: _____	Date: <u>2/1/07</u>	Time: <u>0910</u>
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: Hold "DUP" samples. Analyze only if there is detection in original sample. 2.0°C

23/263

Job No: A07-1038 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	Parameters	Lab	Pres Log	
								Code	PH
01/30/2007 09:00	02/01/2007 09:10	NTS-BCW-0107	A7103801	Good	2-1LGA	PCB	RECNY	0100	
01/30/2007 09:05	02/01/2007 09:10	NTS-EW-0107	A7103802	Good	2-1LGA	PCB	RECNY	0100	

Sample Custodian: NR 2/1/2007

Analytical Services Coordinator: _____ /20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

24/263

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#: A07-1901

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

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
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA, RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7190101	NIS-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	NIS-EW-0207	WATER	02/27/2007	13:10	03/01/2007	09:15
A7190104	NIS-EW-0207 (DUP)	WATER	02/27/2007	13:10	03/01/2007	09:15

METHODS SUMMARY

Job#: A07-1901STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1901STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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); 2@2.0 °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
Time: 10:31:12

Requested Detection Limits < STL's PQL

Page: 1
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.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client DL</u>	<u>STL PQL</u>
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-0207	A7190101	-	-	-	CFR136	-	-	-
NTS-BCW-0207(DUP)	A7190102	-	-	-	CFR136	-	-	-
NTS-EW-0207	A7190103	-	-	-	CFR136	-	-	-
NTS-EW-0207(DUP)	A7190104	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

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.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

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

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

12/244

Client No.

NTS-BCW-0207

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7190101

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A74133.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 02/27/2007 03/01/2007

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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.061	U

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

13/244

Client No.

NIS-EW-0207

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7190103

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A74134.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 02/27/2007 03/01/2007

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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.061	U

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

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECHY Case No.: _____ SAS No.: _____ SDG No.: _____
 GC Column(1): ZB-35 ID: 0.00 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B0292601	67	95							0
2	Matrix Spike Blk Dup	A7B0292602	68	102							0
3	Method Blank	A7B0292603	120	96							0
4	NTS-BCW-0207(DUP)	A7190102	68	99							0
5	NTS-EW-0207(DUP)	A7190104	64	92							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: STL Buffalo

Contract: _____

Lab Samp ID: A7B0292603Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1260	0.500	0.463	93	40 - 136	
Aroclor 1016	0.500	0.434	87	38 - 130	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1260	0.500	0.499	100	7	50	40 - 136	
Aroclor 1016	0.500	0.461	92	6	50	38 - 130	

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

* Values outside of QC limits

RPD: 0 out of 2 outside limitsSpike recovery: 0 out of 4 outside limits

Comments: _____

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

16/244

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B0292603

Lab File ID: 12A74130.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): N

Date Extracted: 03/02/2007

Date Analyzed (1): 03/05/2007

Date Analyzed (2): _____

Time Analyzed (1): 18:13

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B0292601	03/05/2007	
2	Matrix Spike Blk Dup	A7B0292602	03/05/2007	
3	NTS-BCW-0207	A7190101	03/05/2007	
4	NTS-EW-0207	A7190103	03/05/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7B0292603Sample wt/vol: 1000.00 (g/mL) MLLab File ID: 12A74130.TX0% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 03/02/2007Concentrated Extract Volume: 1000 (uL)Date Analyzed: 03/05/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.065	U
11104-28-2----	Aroclor 1221	0.065	U
11141-16-5----	Aroclor 1232	0.065	U
53469-21-9----	Aroclor 1242	0.065	U
12672-29-6----	Aroclor 1248	0.065	U
11097-69-1----	Aroclor 1254	0.065	U
11096-82-5----	Aroclor 1260	0.065	U
-----	Total Polychlorinated Biphenyls	0.065	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7190101	NIS-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	NIS-EW-0207	WATER	02/27/2007	13:10	03/01/2007	09:15
A7190104	NIS-EW-0207 (DUP)	WATER	02/27/2007	13:10	03/01/2007	09:15

METHODS SUMMARY

Job#: A07-1901STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1901STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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); 2@2.0 °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

**SEVERN
TRENT**

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: **COM** Project Manager: **Matt Millias** Date: **2/27/07** Chain of Custody Number: **138707**
 Address: **1 General Motors Drive** Telephone Number (Area Code)/Fax Number: **3154343256 3154635700** Lab Number: _____
 Page **1** of **1**

City: **Syracuse** State: **Ny.** Zip Code: **13206** Site Contact: **1 W Beaman** Lab Contact: _____
 Project Name and Location (State): **M Wallace and Son Dr. Cobleskill Ny.** Carrier/Waybill Number: **Chop UP**
 Contract/Purchase Order/Quote No. _____
 Matrix: _____ Containers & Preservatives: _____
 Analysis (Attach list if more space is needed): _____
 Special Instructions/Conditions of Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
NTS-BCW-0207	2/27/07	1300		X														
NTS-BCW-0207(DUP)	I	1300		X														
NTS-EW-0207	I	1310		X														
NTS-EW-0207(DUP)	I	1310		X														

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

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **500**
 QC Requirements (Specify): **CAT B**

1. Relinquished By: [Signature]	Date: 2/28/07	Time: 1530	1. Received By: [Signature]	Date: 2/28/07	Time: 1530
2. Relinquished By: [Signature]	Date: 2/28/07	Time: 1830	2. Received By: [Signature]	Date: 3/1/07	Time: 0915
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: **HOLD "DUP" Samples Analyze only if there is detection in original sample. 2e20c**

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

24/244

Job No: A07-1901 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4				Radiation Check: YES Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO			Cooler Temperature: 202.0°C		
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres Log	
								Code	PH
02/27/2007 13:00	03/01/2007 09:15	NTS-BCW-0207	A7190101	Good	2-11GA	PCBS	RECNY	0100	
02/27/2007 13:00	03/01/2007 09:15	NTS-BCW-0207(DUP)	A7190102	Good	1-11GA	PCBS (EXTRACT/HOLD)	RECNY	0100	
02/27/2007 13:10	03/01/2007 09:15	NTS-EW-0207	A7190103	Good	2-11GA	PCBS	RECNY	0100	
02/27/2007 13:10	03/01/2007 09:15	NTS-EW-0207(DUP)	A7190104	Good	1-11GA	PCBS (EXTRACT/HOLD)	RECNY	0100	

Sample Custodian: DC 3/1/2007

Analytical Services Coordinator: _____ / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

25/244



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

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

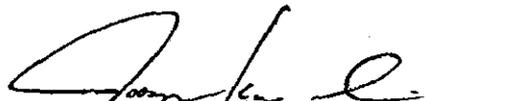
ANALYTICAL REPORT

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

STL 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
Iowa	SWGS	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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7190301	INFLUENT-0207	WATER	02/27/2007	12:50	03/01/2007	09:15

METHODS SUMMARY

Job#: A07-1903STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1903STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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
Time: 10:19:42

Requested Detection Limits < STL's PQL

Page: 1
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.

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

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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
INFLUENT-0207	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

12/234

Client No.

INFLUENT-0207

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7190301

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A74135.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 02/27/2007 03/01/2007

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.044	J
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.060	J

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

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): Z8-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	INFLUENT-0207	A7190301	82	100							0
2	Matrix Spike Blank	A7B0292601	67	95							0
3	Matrix Spike Blk Dup	A7B0292602	68	102							0
4	Method Blank	A7B0292603	120	96							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: STL Buffalo

Contract: _____

Lab Samp ID: A7B0292603

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1260	0.500	0.463	93	40 - 136	
Aroclor 1016	0.500	0.434	87	38 - 130	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1260	0.500	0.499	100	7	50	40 - 136	
Aroclor 1016	0.500	0.461	92	6	50	38 - 130	

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike recovery: 0 out of 4 outside 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: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B0292603Lab File ID: 12A74130.TX0Matrix: (soil/water) WATERExtraction: SEPFSulfur Cleanup: (Y/N): NDate Extracted: 03/02/2007Date Analyzed (1): 03/05/2007

Date Analyzed (2): _____

Time Analyzed (1): 18:13

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	INFLUENT-0207	A7190301	03/05/2007	
2	Matrix Spike Blank	A7B0292601	03/05/2007	
3	Matrix Spike Blk Dup	A7B0292602	03/05/2007	

Comments: _____

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

16/234

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B0292603

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: 12A74130.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.065	U
11104-28-2----	Aroclor 1221	0.065	U
11141-16-5----	Aroclor 1232	0.065	U
53469-21-9----	Aroclor 1242	0.065	U
12672-29-6----	Aroclor 1248	0.065	U
11097-69-1----	Aroclor 1254	0.065	U
11096-82-5----	Aroclor 1260	0.065	U
-----	Total Polychlorinated Biphenyls	0.065	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7190301	INFLUENT-0207	WATER	02/27/2007	12:50	03/01/2007	09:15

METHODS SUMMARY

Job#: A07-1903STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-1903STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

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: 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

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
Iowa	SW/GS	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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7260701	NIS-BCW-0307	WATER	03/19/2007	07:30	03/20/2007	19:45
A7260702	NIS-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	NIS-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#: A07-2607STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-2607STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

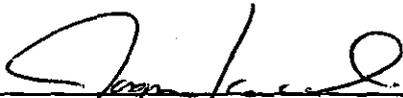
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
OP: Please filter DUP samples prior to extraction.

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

4/5/07

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
Time: 08:53:33

Requested Detection Limits < STL's PQL

Page: 1
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.

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

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-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 CONSERVATIONSAMPLE 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	-
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 CONSERVATIONSAMPLE 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.

NIS-BCW-0307

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7260701Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 12A76150.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 03/19/2007 03/20/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 03/21/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 03/22/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

NIS-EW-0307

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7260703Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 12A76151.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 03/19/2007 03/20/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 03/21/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 03/22/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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): Z8-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1 Matrix Spike Blank	A780392301	106	120							0
2 Matrix Spike Blk Dup	A780392302	89	100							0
3 Method Blank	A780392303	88	86							0
4 NTS-BCW-0307	A7260701	118	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: STL Buffalo

Contract: _____

Lab Samp ID: A7B0392303

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.02	102	50 - 150	
Aroclor 1260	1.00	1.19	120	50 - 150	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1016	1.00	0.975	98	4	30	50 - 150	
Aroclor 1260	1.00	1.15	116	3	30	50 - 150	

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

17/247

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B0392303

Lab File ID: 12A76147.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): Y

Date Extracted: 03/21/2007

Date Analyzed (1): 03/22/2007

Date Analyzed (2): _____

Time Analyzed (1): 12:22

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B0392301	03/22/2007	
2	Matrix Spike Blk Dup	A7B0392302	03/22/2007	
3	NTS-BCW-0307	A7260701	03/22/2007	
4	NTS-EW-0307	A7260703	03/22/2007	

Comments: _____

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

18/247

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B0392303

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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
12674-11-2----	Aroclor 1016	0.065 U
11104-28-2----	Aroclor 1221	0.065 U
11141-16-5----	Aroclor 1232	0.065 U
53469-21-9----	Aroclor 1242	0.065 U
12672-29-6----	Aroclor 1248	0.065 U
11097-69-1----	Aroclor 1254	0.065 U
11096-82-5----	Aroclor 1260	0.065 U
-----	Total Polychlorinated Biphenyls	0.10 U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-2607STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-2607STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

4/5/07

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)

Client: CDM Project Manager: MATT Mallias Date: 3/19/07 Chain of Custody Number: 298483
 Address: 1 General Motors Drive Telephone Number (Area Code)/Fax Number: 315 434 3256 / 315 403 5700 Lab Number: _____
 City: Syracuse State: NY Zip Code: 13206 Site Contact: Tim Beaman Lab Contact: _____
 Project Name and Location (State): M Wallace and Son Inc Obkshell NY. Carrier/Waybill Number: dup off Analysis (Attach list if more space is needed): _____
 Contract/Purchase Order/Quote No. _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH		ZnAc/ HgOH	
NTS-RCW-0307	3/19/07	0730		X								X	X	Detection limit of 0.05 ppb
NTS-RCW-0307(DUP)	I	0730		X								X	X	
NTS-EW-0307	I	0740		X								X	X	
NTS-EW-0307(DUP)	I	0740		X								X	X	

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

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other 5MD QC Requirements (Specify) CAT B

1. Relinquished By: <u>[Signature]</u>	Date: <u>3/20/07</u> Time: <u>14:45</u>	1. Received By: <u>R. English, STL SYR</u>	Date: <u>3/30/07</u> Time: <u>14:45</u>
2. Relinquished By: <u>R. English</u>	Date: <u>3/30/07</u> Time: _____	2. Received By: <u>[Signature]</u>	Date: <u>03/20/07</u> Time: <u>19:45</u>
3. Relinquished By: _____	Date: _____ Time: _____	3. Received By: _____	Date: _____ Time: _____

Comments: HOLD "DUP" Samples. Analyze only if there is detection in original samples.

261247

7.0°C



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

AC _____ Project / Task NY 7A9595 | |

TAT 15 BDI _____ CD _____ # OF SAMPLES 4 TRIP BLANK **(N)** # _____

SHIPPED BY <u>DELIVERED</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>3, 20, 07 19:45</u>

COOLER TEMP 2-0 °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 **(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 SRV.

ARE SAMPLE DATES AND TIMES CORRECT? Initials UB

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials UB

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#: A07-4396

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

05/16/2007

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 5/8/2007

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
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	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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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

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#: A07-4396STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-4396STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

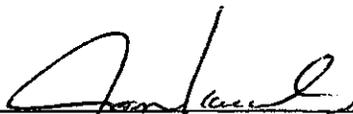
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
Lab to filter samples 02 & 04 prior to extraction.

GC Extractable Data

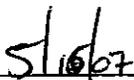
For method 8082, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Decachlorobiphenyl. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries 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.

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: 05/16/2007
Time: 08:36:11

Requested Detection Limits < STL's PQL

Page: 1
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.

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

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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 aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

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

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

13/276

Client No.

NTS-BCW-0407

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7439601

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 19A96057.TX0

% 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) UG/L

CAS NO.	COMPOUND	Q
12674-11-2----	Aroclor 1016	0.061 U
11104-28-2----	Aroclor 1221	0.061 U
11141-16-5----	Aroclor 1232	0.061 U
53469-21-9----	Aroclor 1242	0.061 U
12672-29-6----	Aroclor 1248	0.061 U
11097-69-1----	Aroclor 1254	0.061 U
11096-82-5----	Aroclor 1260	0.061 U
-----	Total Polychlorinated Biphenyls	0.094 U

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

Client No.

NTS-EW-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A7439603Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 19A96058.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/25/2007 04/26/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/27/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 04/29/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

15/276

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): Z8-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #						TOT OUT
1	Matrix Spike Blank	A7B0626101	82	106						0
2	Matrix Spike Blk Dup	A7B0626102	80	97						0
3	Method Blank	A7B0626103	71	83						0
4	NTS-BCW-0407	A7439601	93	108						0
5	NTS-EW-0407	A7439603	88	111						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

16/276

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A7B0626103

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.02	102	58 - 141	
Aroclor 1260	1.00	1.00	100	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS RPD	REC.	+
Aroclor 1016	1.00	0.982	98	4	30	58 - 141	
Aroclor 1260	1.00	1.06	107	7	30	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 outside limits
 Spike recovery: 0 out of 4 outside limits

Comments: _____

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

17/276

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B0626103

Lab File ID: 19A96055.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): Y

Date Extracted: 04/27/2007

Date Analyzed (1): 04/29/2007

Date Analyzed (2): _____

Time Analyzed (1): 12:47

Time Analyzed (2): _____

Instrument ID (1): HP5890-19

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B0626101	04/29/2007	
2	Matrix Spike Blk Dup	A7B0626102	04/29/2007	
3	NTS-BCW-0407	A7439601	04/29/2007	
4	NTS-EW-0407	A7439603	04/29/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B0626103

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 19A96055.TX0

% 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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.065	U
11104-28-2----	Aroclor 1221	0.065	U
11141-16-5----	Aroclor 1232	0.065	U
53469-21-9----	Aroclor 1242	0.065	U
12672-29-6----	Aroclor 1248	0.065	U
11097-69-1----	Aroclor 1254	0.065	U
11096-82-5----	Aroclor 1260	0.065	U
-----	Total Polychlorinated Biphenyls	0.10	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7439601	NIS-BCW-0407	WATER	04/25/2007	10:00	04/26/2007	16:30
A7439602	NIS-BCW-0407 (DUP)	WATER	04/25/2007	10:00	04/26/2007	16:30
A7439603	NIS-EW-0407	WATER	04/25/2007	10:10	04/26/2007	16:30
A7439604	NIS-EW-0407 (DUP)	WATER	04/25/2007	10:10	04/26/2007	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#: A07-4396STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-4396STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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.

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

5/16/07

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)

Client COM		Project Manager MART MILLAR		Date 4/25/07	Chain of Custody Number 251770
Address 1 General Motors Drive		Telephone Number (Area Code)/Fax Number 315 434 3256 315 463 5700		Lab Number	Page 1 of 1

City Syracuse	State NY	Zip Code 13206	Site Contact Tom Bennett	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) M Waller and Son Inc Cobleskill N.Y.			Carrier/Waybill Number clap-006		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
NTS-BCW-0407	4/25/07	1000	X				2									detection limit of 0.05 mg
NTS-BCW-0407 (DUP)	↓	1000	X				2									
NTS-EW-0407	↓	1010	X				2									
NTS-EW-0407 (DUP)	↓	1010	X				2									

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other STD	

1. Relinquished By Tom Bennett	Date 4/25/07	Time 1918	1. Received By [Signature]	Date 4/25/07	Time 19:16
2. Relinquished By [Signature]	Date 4/25/07	Time 1830	2. Received By [Signature]	Date 04/26/07	Time 16:30
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
Hold "DUP" samples. Analyze only if there is detection in original sample.

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

U.O

26/276



STL Buffalo

Doc. Login/ARRF - Side A
Rev 3
10/17/2005

SAMPLE LOGIN **JOB #** 4296

Shipment ID _____ Strict Internal COC: YES / NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY7A9598 1 1

TAT 15 BD/ _____ CD # OF SAMPLES 4 TRIP BLANK Y/N # _____

SHIPPED BY <u>CLP</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>04/26/07 16:30</u>

COOLER TEMP 4.2 °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 AS

WERE ALL THE APPROPRIATE TESTS ASSIGNED?

Initials AS

Temp.Cert.Loss: _____

Job No: A07-4396 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 4				Radiation Check: YES Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO			Cooler Temperature: 4.0°C		
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
04/25/2007 10:00	04/26/2007 16:30	NTS-BCW-0407	A7439601	Good	2-1lGA	PCB	RECNY	0100	
04/25/2007 10:00	04/26/2007 16:30	NTS-BCW-0407(DUP)	A7439602	Good	2-1lGA	PCB	RECNY	0100	
04/25/2007 10:10	04/26/2007 16:30	NTS-EW-0407	A7439603	Good	2-1lGA	PCB	RECNY	0100	
04/25/2007 10:10	04/26/2007 16:30	NTS-EW-0407(DUP)	A7439604	Good	2-1lGA	PCB	RECNY	0100	

Sample Custodian: C. Sappone 04/26/2007

Analytical Services Coordinator: _____ / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=NCAA (Mono chloroacetic acid)

28/276

8082 Data

Analytical Report
May Sampling Event

STL Buffalo10 Hazelwood Drive, Suite 106
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

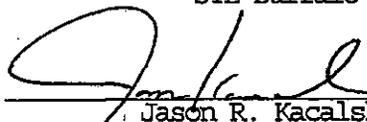
ANALYTICAL REPORT

Job#: A07-5757STL Project#: NY7A9595Site 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

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7575701	NTS-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

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#: A07-5757STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-5757STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

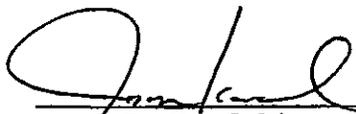
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
Filter sample 02 prior to extraction.

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

6/19/07

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: 06/19/2007
Time: 10:57:00

Requested Detection Limits < STL's PQL

Page: 1
Rept: AN1520

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>	<u>Parameter</u>	<u>Unit</u>	<u>Client DL</u>	<u>STL PQL</u>
608PCB	Total Polychlorinated Biphenyls	UG/L	0.10	0.54

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-0507	A7575701	-	-	-	CFR136	-	-	-
NTS-EW-0507 (DUP)	A7575702	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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 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/Arochlor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

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

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

13/257

Client No.

NTS-EW-0507

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7575701

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A86075.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 05/23/2007 05/25/2007

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: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

14/257

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-35

ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCBP %REC	#	TCMX %REC	#						TOT OUT
1 Matrix Spike Blank	A780824301	65		99							0
2 Matrix Spike Blk Dup	A780824302	55		100							0
3 Method Blank	A780824303	60		89							0
4 NTS-EW-0507	A7575701	88		84							0

QC LIMITS

(DCBP) = Decachlorobiphenyl

(26-145)

(TCMX) = Tetrachloro-m-xylene

(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

15/257

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B0824303

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.841	84	58 - 141	
Aroclor 1260	1.00	0.942	94	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1016	1.00	0.878	88	5	30	58 - 141	
Aroclor 1260	1.00	0.981	98	4	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

16/257

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B0824303 Lab File ID: 12A86074.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 05/30/2007

Date Analyzed (1): 05/31/2007 Date Analyzed (2): _____

Time Analyzed (1): 15:31 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B0824301	05/31/2007	
2	Matrix Spike Blk Dup	A7B0824302	05/31/2007	
3	NTS-EW-0507	A7575701	05/31/2007	

Comments: _____

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

17/257

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B0824303

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 12A86074.TX0

% 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
12674-11-2----	Aroclor 1016	0.065		U
11104-28-2----	Aroclor 1221	0.065		U
11141-16-5----	Aroclor 1232	0.065		U
53469-21-9----	Aroclor 1242	0.065		U
12672-29-6----	Aroclor 1248	0.065		U
11097-69-1----	Aroclor 1254	0.065		U
11096-82-5----	Aroclor 1260	0.065		U
-----	Total Polychlorinated Biphenyls	0.10		U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7575701	NIS-EW-0507	WATER	05/23/2007	08:00	05/25/2007	08:45
A7575702	NIS-EW-0507 (DUP)	WATER	05/23/2007	08:00	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#: A07-5757STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-5757STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

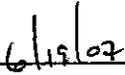
No deviations from protocol were encountered during the analytical procedures.

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

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

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** 575

Shipment ID _____ Strict Internal COC: YES / NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NYDASS95 1 1

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK Y/ N # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>5/25/07 08:45</u>

COOLER TEMP See 2. DC (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)

PRESERVATION CHECKED YES _____ NO NA _____ Initials DC

ARE SAMPLE DATES AND TIMES CORRECT? Initials DC

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials DC

Job No: A07-5757 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: 202.0°C			
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
05/23/2007 08:00	05/25/2007 08:45	NTS-EW-0507	A7575701	Good	2-11GA	PCBS	RECNY	0100	
05/23/2007 08:00	05/25/2007 08:45	NTS-EW-0507 (DUP)	A7575702	Good	2-11GA	PCBS (EXTR+HOLD)	RECNY	0100	

Sample Custodian: _____

DC 5,25,07

Analytical Services Coordinator: _____

1 / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

27/257

Analytical Report
June Sampling Event

STL

STL Buffalo10 Hazelwood Drive, Suite 106
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-7243Project#: NY7A9595
Site Name: Niagara Mohawk O & M
Task: Wallace & Sons ScrapyardTimothy Beaumont
CDM
One General Motors Dr. STE 2
Syracuse, NY 13206

STL Buffalo



Jason R. Kacalski
Project Manager

07/18/2007

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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

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#: A07-7243Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-7243Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

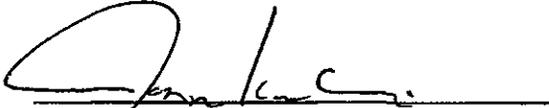
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
Lab to filter "DUP" sample prior to extraction.

GC Extractable Data

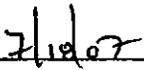
No deviations from protocol were encountered during the analytical procedures.

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: 07/18/2007
Time: 08:35:12

Requested Detection 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>	<u>Parameter</u>	<u>Unit</u>	<u>Client DL</u>	<u>Lab PQL</u>
608PCB	Total Polychlorinated Biphenyls	UG/L	0.10	0.54

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	-

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

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

13/263

Client No.

NTS-EW-0607

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7724301

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A92145.TX0

% 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: 07/05/2007

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1 Matrix Spike Blank	A7B1032601	58	102							0
2 Matrix Spike Blk Dup	A7B1032602	60	102							0
3 Method Blank	A7B1032603	62	106							0
4 NTS-EW-0607	A7724301	70	86							0

QC LIMITS

(DCBP) = Decachlorobiphenyl (26-145)
 (TCMX) = Tetrachloro-m-xylene (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: A7B1032603

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.925	92	58 - 141	
Aroclor 1260	1.00	0.881	88	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1016	1.00	0.940	94	2	30	58 - 141	
Aroclor 1260	1.00	0.948	95	8	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

16/263

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B1032603

Lab File ID: 12A92141.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): Y

Date Extracted: 07/02/2007

Date Analyzed (1): 07/05/2007

Date Analyzed (2): _____

Time Analyzed (1): 12:16

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1032601	07/05/2007	
2	Matrix Spike Blk Dup	A7B1032602	07/05/2007	
3	NTS-EW-0607	A7724301	07/05/2007	

Comments: _____

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

17/263

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B1032603

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: 12A92141.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 07/02/2007

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
12674-11-2----	Aroclor 1016	0.065	U
11104-28-2----	Aroclor 1221	0.065	U
11141-16-5----	Aroclor 1232	0.065	U
53469-21-9----	Aroclor 1242	0.065	U
12672-29-6----	Aroclor 1248	0.065	U
11097-69-1----	Aroclor 1254	0.065	U
11096-82-5----	Aroclor 1260	0.065	U
-----	Total Polychlorinated Biphenyls	0.10	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7724301	NIS-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

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#: A07-7243Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-7243Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

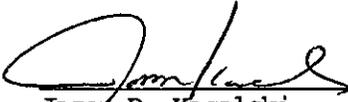
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
Lab to filter "DUP" sample prior to extraction.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

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

7/18/07

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)

Client COM		Project Manager Matt Mullins		Date 6/27/07	Chain of Custody Number 251771
Address 1 General Motors Drive		Telephone Number (Area Code)/Fax Number 315 434 3256 315 463 5100		Lab Number	Page 1 of 1

City Syracuse	State NY	Zip Code 13206	Site Contact Tim Beavert	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) McCallister and Sun Inc Cobleskill NY			Carrier/Waybill Number drop off Syracuse Service Ctr			
Contract/Purchase Order/Quote No.			Matrix		Containers & Preservatives	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH			
NTS-EW-0607	6/27/07	11:15		X				2							Detection limit of 0.05 ppb 1
NTS-EW-0607 (DUP)	6/27/07	8:15		X				2							

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
---	--	---

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other STD	QC Requirements (Specify) ASP CMT B
---	---

1. Relinquished By [Signature]	Date 6/27/07	Time 10:50	1. Received By [Signature]	Date 6/27/07	Time 10:50
2. Relinquished By R. E. Niglich	Date 6/27/07	Time 18:30	2. Received By [Signature]	Date 6/28/07	Time 08:40
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: **hold "DUP" Sample. Analyze only if there is detection in original Sample. 2e2.0i**

25/263

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** 242

Shipment ID _____ Strict Internal COC: YES/NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY 29555 1 1

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>6/28/07 08:40</u>

COOLER TEMP 2 ± 2.0°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)

PRESERVATION CHECKED YES _____ NO NA _____ Initials [Signature]

ARE SAMPLE DATES AND TIMES CORRECT? Initials [Signature]

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials [Signature]

Job No: A07-7243 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: 202.0°C		
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
06/27/2007 08:15	06/28/2007 08:40	NTS-EW-0607	A7724301	Good	2-11GA	PCBS 608	RECNY	0100	
06/27/2007 08:15	06/28/2007 08:40	NTS-EW-0607(DUP)	A7724302	Good	2-11GA	PCBS 608	RECNY	0100	

Sample Custodian: _____

DC 6 28 07

Analytical Services Coordinator: _____

1 / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

27/263

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

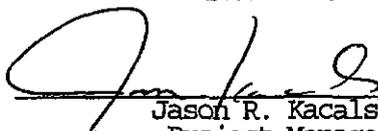
ANALYTICAL REPORT

Job#: A07-8384

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

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7838401	NIS-EW-0707	WATER	07/25/2007	14:30	07/26/2007	08:45
A7838402	NIS-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#: A07-8384Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-8384Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

8/15/07

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: 08/15/2007
Time: 16:10:07

Requested Detection 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>	<u>Parameter</u>	<u>Unit</u>	<u>Client DL</u>	<u>Lab PQL</u>
<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	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

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	07/28/2007	-

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

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

13/260

Client No.

NTS-EW-0707

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7838401

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: 07/30/2007

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

14/260

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____
 GC Column(1): ZB-35 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1175301	106	62							0
2	Matrix Spike Blk Dup	A7B1175302	56	90							0
3	Method Blank	A7B1175303	72	72							0
4	NTS-EW-0707	A7838401	80	60							0

QC LIMITS

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

15/260

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A7B1175303

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016 _____	1.00	0.696	70	58 - 141	
Aroclor 1260 _____	1.00	1.14	114	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1016 _____	1.00	0.782	78	11	30	58 - 141	
Aroclor 1260 _____	1.00	0.933	93	20	30	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 outside limits
 Spike recovery: 0 out of 4 outside limits

Comments: _____

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

16/260

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN 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: 07/28/2007

Date Analyzed (1): 07/30/2007 Date Analyzed (2): _____

Time Analyzed (1): 13:02 Time Analyzed (2): _____

Instrument ID (1): HP5890-19 Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	=====	=====	=====	=====
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
 NIAGARA MOHAWK O & M
 METHOD 608 - POLYCHLORINATED BIPHENYLS
 ANALYSIS DATA SHEET

17/260

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER 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): SEPF Date Extracted: 07/28/2007

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 07/30/2007

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.00 Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-8384Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-8384Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

8/15/07

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

SEVERN
TRENT **STL**

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 mR/hr: YES / NO

AC _____ Project / Task NYDA9595 1 1

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>7, 26, 07 08:45</u>

COOLER TEMP 602.0 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 DC

WERE ALL THE APPROPRIATE TESTS ASSIGNED?

Initials DC

Temp.Cert.Loss: Massachusetts Drinking Water: Nitrate 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

Job No: A07-8384 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: 6@2.0°C			
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
07/25/2007 14:30	07/26/2007 08:45	NTS-EW-0707	A7838401	Good	2-11GA	608 PCBS	RECNY	0100	
07/25/2007 14:30	07/26/2007 08:45	NTS-EW-0707 (DUP)	A7838402	Good	2-11GA	608 PCBS (EXTR+HOLD)	RECNY	0100	

Sample Custodian:  7/26/07

Analytical Services Coordinator: _____ / /20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

27/260

Analytical Report
August Sampling Event

STL

STL Buffalo10 Hazelwood Drive, Suite 106
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-9767Project#: NY7A9595
Site Name: Niagara Mohawk O & M
Task: Wallace & Sons ScrapyardTimothy 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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-9767Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-9767Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

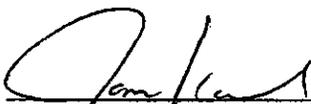
For method 608, the associated calibration verifications demonstrated an increased instrument response, >15% difference, for the surrogate Tetrachloro-m-xylene. The theoretical consequence of these would be a high bias in the calculated surrogate recoveries. The associated sample surrogate recoveries 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 decreased 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 contamination 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

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: 10/01/2007
Time: 09:13:00

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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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	-	-	-	CFR136	-	-	-
NTS-EW-0807 (DUP)	A7976704	-	-	-	CFR136	-	-	-
NTS-IW-0807	A7976701	-	-	-	CFR136	-	-	-
NTS-IW-0807 (DUP)	A7976702	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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/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

13/380

Client No.

NTS-EW-0807

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7976703

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7B40093.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
11141-16-5----	Aroclor 1232	0.047	U
53469-21-9----	Aroclor 1242	0.094	
12672-29-6----	Aroclor 1248	0.047	U
11097-69-1----	Aroclor 1254	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

14/380

Client No.

NTS-EW-0807 (DUP)

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7976704

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 7B40095.TX0

% 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

15/380

Client No.

NTS-EW-0807 (DUP)

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7976704RE

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

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 09/19/2007

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:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

16/380

Client No.

NTS-IW-0807

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7976701

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 7B40092.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
11141-16-5----	Aroclor 1232	0.047	U
53469-21-9----	Aroclor 1242	0.15	
12672-29-6----	Aroclor 1248	0.047	U
11097-69-1----	Aroclor 1254	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

17/380

Client No.

NIS-IW-0807 (DUP)

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7976702

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7B40094.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 08/29/2007 08/30/2007

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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
12674-11-2----	Aroclor 1016	0.047 U
11104-28-2----	Aroclor 1221	0.047 U
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	0.047 U
11096-82-5----	Aroclor 1260	0.047 U
-----	Total Polychlorinated Biphenyls	0.47 U

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

18/380

Client No.

NTS-IW-0807 (DUP)

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7976702RE

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 7B41119.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 08/29/2007 08/30/2007

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 09/19/2007

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:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

19/380

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): Z8-35 30 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
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	A7B1458402	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

20/380

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B1378303

Lab Code: RECNY Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.793	79	58 - 141	
Aroclor 1260	1.00	0.826	83	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS RPD REC.		+
Aroclor 1016	1.00	1.21	122	43 *	30	58 - 141	
Aroclor 1260	1.00	0.965	96	14	30	56 - 144	

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

* Values outside of QC limits

RPD: 1 out of 2 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

CAMP DRESSER AND MCKEE
 NIAGARA MOHAWK O & M
 METHOD 608 - POLYCHLORINATED BIPHENYLS
 WATER MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

21/380

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B1458403

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.28	128	58 - 141	
Aroclor 1260	1.00	0.764	76	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1016	1.00	1.02	102	23	30	58 - 141	
Aroclor 1260	1.00	0.830	83	9	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

22/380

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B1378303 Lab File ID: 7B40088.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): Y Date Extracted: 09/04/2007

Date Analyzed (1): 09/05/2007 Date Analyzed (2): _____

Time Analyzed (1): 11:27 Time Analyzed (2): _____

Instrument ID (1): HP6890-7 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 SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1378301	09/05/2007	
2	Matrix Spike Blk Dup	A7B1378302	09/05/2007	
3	NTS-EW-0807	A7976703	09/05/2007	
4	NTS-EW-0807 (DUP)	A7976704	09/05/2007	
5	NTS-IW-0807	A7976701	09/05/2007	
6	NTS-IW-0807 (DUP)	A7976702	09/05/2007	

Comments: _____

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

23/380

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B1378303

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 7B40088.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____

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) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
		(ug/L or ug/Kg) <u>UG/L</u>	
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls	0.50	U

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

24/380

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B1458403

Lab File ID: 7B41118.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): Y

Date Extracted: 09/19/2007

Date Analyzed (1): 09/21/2007

Date Analyzed (2): _____

Time Analyzed (1): 10:45

Time Analyzed (2): _____

Instrument ID (1): HP6890-7

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 SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1458401	09/21/2007	
2	Matrix Spike Blk Dup	A7B1458402	09/21/2007	
3	NTS-EW-0807 (DUP)	A7976704RE	09/21/2007	
4	NTS-IW-0807 (DUP)	A7976702RE	09/21/2007	

Comments: _____

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

25/380

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B1458403

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: 7B41118.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 09/19/2007

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: 5.00

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-9767Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A07-9767Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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 decreased 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 contamination 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

10/1/67

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

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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

Chain Of Custody Documentation

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** 9767

Shipment ID _____ Strict Internal COC: YES NO
Residual Chlorine Check:
Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NYA959511
TAT 15 BD/ _____ CD # OF SAMPLES 4 TRIP BLANK Y/N # _____

SHIPPED BY <u>Courier</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>8/30/07 10:50</u>

COOLER TEMP 2.0 °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)

PRESERVATION CHECKED YES _____ NO N/A _____ Initials [Signature]

ARE SAMPLE DATES AND TIMES CORRECT? Initials [Signature]

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials [Signature]

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

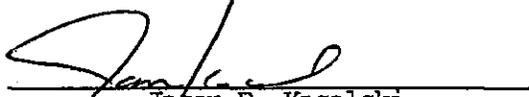
ANALYTICAL REPORT

Job#: A07-A557

Project#: NY7A9595
Site Name: 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

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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-A557Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-A557Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

9/27/07

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

Requested Reporting Limits < Lab PQL

Page: 1

Time: 14:36:57

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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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/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

13/258

Client No.

NB-EW-0907

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7A55701

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A05192.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

14/258

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1482801	75	103							0
2	Matrix Spike Blk Dup	A7B1482802	82	98							0
3	Method Blank	A7B1482803	82	80							0
4	NB-EW-0907	A7A55701	93	74							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

15/258

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B1482803

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.974	97	58 - 141	
Aroclor 1260	1.00	1.01	101	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1016	1.00	1.21	121	22	30	58 - 141	
Aroclor 1260	1.00	1.01	101	0	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

16/258

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B1482803 Lab File ID: 12A05191.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): Y Date Extracted: 09/22/2007

Date Analyzed (1): 09/24/2007 Date Analyzed (2): _____

Time Analyzed (1): 14:08 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1482801	09/24/2007	
2	Matrix Spike Blk Dup	A7B1482802	09/24/2007	
3	NB-EW-0907	A7A55701	09/24/2007	

Comments: _____

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

17/258

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B1482803

Sample wt/vol: 1000.00 (g/mL) ML

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) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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-A557Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-A557Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

9/23/07

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

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** A557

Shipment ID _____ Strict Internal COC: **YES / NO** NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY7A9595 1 1

TAT 15 BDI _____ CD _____ # OF SAMPLES 2 TRIP BLANK Y/N # —

SHIPPED BY <u>Courier</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>9/19/07 16:50</u>

COOLER TEMP 2.0 °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 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 X Initials [Signature]

ARE SAMPLE DATES AND TIMES CORRECT? Initials [Signature]

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials [Signature]

Temp.Cert.Loss: _____

STL

STL Buffalo

10 Hazelwood Drive, Suite 106
Amherst, NY 14228

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

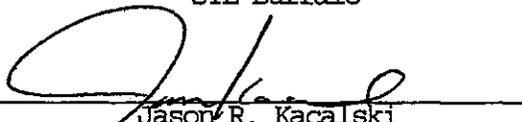
ANALYTICAL REPORT

Job#: A07-A871

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

09/28/2007

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7A87101	NIS-EW-0907-A	WATER	09/25/2007	08:00	09/26/2007	09:15
A7A87102	NIS-EW-0907-A (DUP)	WATER	09/25/2007	08:00	09/26/2007	09:15

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-A871Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-A871Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

9/28/07

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: 09/28/2007
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.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-0907-A	A7A87101	-	-	-	CFR136	-	-	-
NTS-EW-0907-A (DU	A7A87102	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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 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
 WATER SURROGATE RECOVERY

13/240

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECHY

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1510901	76	88							0
2	Matrix Spike Blk Dup	A7B1510902	78	87							0
3	Method Blank	A7B1510903	100	82							0
4	NTS-EW-0907-A	A7A87101	117	62							0

QC LIMITS

(DCBP) = Decachlorobiphenyl

(26-145)

(TCMX) = Tetrachloro-m-xylene

(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 SURROGATE RECOVERY

14/240

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1510901	76	88							0
2	Matrix Spike Blk Dup	A7B1510902	78	87							0
3	Method Blank	A7B1510903	100	82							0
4	NTS-EW-0907-A (DUP)	A7A87102	120	64							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

15/240

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: A7B1510903

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.913	91	58 - 141	
Aroclor 1260	1.00	0.958	96	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSBD CONCENTRATION UG/L	MSBD % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1016	1.00	0.925	92	1	30	58 - 141	
Aroclor 1260	1.00	0.974	97	1	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

16/240

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: A7B1510903

Lab Code: RECNY Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

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 #	QC LIMITS		+
					RPD	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 outside limits

Spike recovery: 0 out of 2 outside limits

Comments: _____

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

17/240

Client No.

NTS-EW-0907-A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7A87101

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A06050.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 09/25/2007 09/26/2007

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: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls	0.47	U

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

18/240

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B1510903 Lab File ID: 12A06049.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): N Date Extracted: 09/26/2007

Date Analyzed (1): 09/27/2007 Date Analyzed (2): _____

Time Analyzed (1): 12:04 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1510901	09/27/2007	
2	Matrix Spike Blk Dup	A7B1510902	09/27/2007	
3	NTS-EW-0907-A	A7A87101	09/27/2007	

Comments: _____

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

19/240

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B1510903

Lab File ID: 12A06049.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): N

Date Extracted: 09/26/2007

Date Analyzed (1): 09/27/2007

Date Analyzed (2): _____

Time Analyzed (1): 12:04

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1510901	09/27/2007	
2	Matrix Spike Blk Dup	A7B1510902	09/27/2007	
3	NTS-EW-0907-A (DUP)	A7A87102	09/27/2007	

Comments: _____

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

20/240

Client No.

Method Blank

Lab Name: SIL Buffalo

Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B1510903

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 12A06049.TX0

% 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7A87101	NIS-EW-0907-A	WATER	09/25/2007	08:00	09/26/2007	09:15
A7A87102	NIS-EW-0907-A (DUP)	WATER	09/25/2007	08:00	09/26/2007	09:15

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-A871Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-A871Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

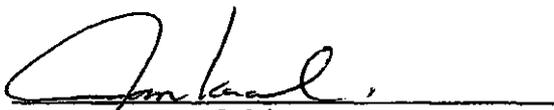
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

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

9/28/07

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

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** A 871

Shipment ID _____ Strict Internal COC: YES / NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NYA9555 1 1

TAT 3 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK Y / N # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>9 12C 10 05:15</u>

COOLER TEMP 2.0 °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)

PRESERVATION CHECKED YES _____ NO X NA _____ Initials DC

ARE SAMPLE DATES AND TIMES CORRECT? Initials DC

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials DC

Temp.Cert.Loss: _____

Job No: A07-A871 Client: Camp Dresser and Mckee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 2				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 log	
								Code	PH
09/25/2007 08:00	09/26/2007 09:15	NTS-EW-0907-A	A7A87101	Good	2-11GA	PCBS 608	RECNY	0100	
09/25/2007 08:00	09/26/2007 09:15	NTS-EW-0907-A (DUP)	A7A87102	Good	2-11GA	PCBS 608 (EXTRACT AND HOL	RECNY	0100	

Sample Custodian: DC 9, 26, 2007

Analytical Services Coordinator: _____ / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

608 Data

Analytical Report
October Sampling Event

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

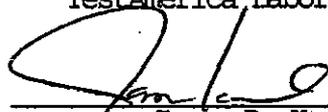
ANALYTICAL REPORT

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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7C73401	NIS-EW-1007	WATER	10/31/2007	08:40	11/02/2007	16:45
A7C73402	NIS-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-C734Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-C734Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

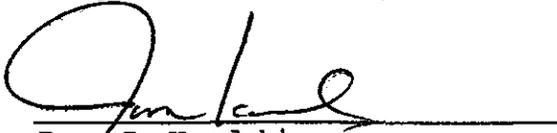
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
Hold "DUP" samples. Analyze only if there is a detection in original sample.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

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

11/23/07
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: 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.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-1007	A7C73401	-	-	-	CFR136	-	-	-
NTS-EW-1007(DUP).	A7C73402	-	-	-	CFR136	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

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

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

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

Client No.

NTS-EW-1007

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7C73401Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 19B14176.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 10/31/2007 11/02/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 11/06/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 11/07/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.47	U

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

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECHY Case No.: _____ SAS No.: _____ SDG No.: _____

GC Column(1): Z8-5 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1775001	68	81							0
2	Matrix Spike Blk Dup	A7B1775002	82	86							0
3	Method Blank	A7B1775003	73	79							0
4	NTS-EW-1007	A7C73401	76	88							0

QC LIMITS

(DCBP) = Decachlorobiphenyl (26-145)
 (TCMX) = Tetrachloro-m-xylene (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: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A7B1775003

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.963	96	58 - 141	
Aroclor 1260	1.00	0.914	91	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1016	1.00	0.947	95	1	30	58 - 141	
Aroclor 1260	1.00	0.989	99	8	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Lab Sample ID: A7B1775003 Lab File ID: 19B14174.TX0Matrix: (soil/water) WATER Extraction: SEPFSulfur Cleanup: (Y/N): N Date Extracted: 11/06/2007Date Analyzed (1): 11/07/2007 Date Analyzed (2): _____Time Analyzed (1): 11:13 Time Analyzed (2): _____Instrument ID (1): HP5890-19 Instrument ID (2): _____GC Column (1): ZB-5 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1775001	11/07/2007	
2	Matrix Spike Blk Dup	A7B1775002	11/07/2007	
3	NTS-EW-1007	A7C73401	11/07/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7B1775003Sample wt/vol: 1000.00 (g/mL) MLLab File ID: 19B14174.TX0% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 11/06/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 11/07/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.50	U

608 PCB Data



Sample Data Package

SDG Narrative



SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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-C734Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-C734Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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

11/23/02

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

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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

Chain Of Custody Documentation

SAMPLE LOGIN **JOB #** C734

Shipment ID _____ Strict Internal COC: YES/NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY7A 9545 | |

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK Y/N # -

SHIPPED BY <u>COOPER</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>11 / 2 / 07 18 : 45</u>

COOLER TEMP 2.0 °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)

PRESERVATION CHECKED YES _____ NO NA _____ Initials [Signature]

ARE SAMPLE DATES AND TIMES CORRECT? _____ Initials [Signature]

WERE ALL THE APPROPRIATE TESTS ASSIGNED? _____ Initials [Signature]

Temp.Cert.Loss: _____

Job No: A07-C734 Client: Camp Dresser and McKee Project: NY7A9595 SDG: Case: SMO No: No. Samps: 2				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 log	
								Code	PH
10/31/2007 08:40	11/02/2007 16:45	NTS-EW-1007	A7C73401	Good	2-11GA	PCBS	RECNY	0100	
10/31/2007 08:40	11/02/2007 16:45	NTS-EW-1007(DUP)	A7C73402	Good	2-11GA	PCBS(EXTRACT&HOLD)	RECNY	0100	

ple Custodian: _____

[Signature]
11, 2 / 20 07

Analytical Services Coordinator: _____

1 / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

Analytical Report
November Sampling Event

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A07-D562

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

12/05/2007

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
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A7D56201	NIS-EW-1107	WATER	11/19/2007	11:00	11/21/2007	09:45
A7D56202	NIS-EW-1107 (DUP)	WATER	11/19/2007	11:00	11/21/2007	09:45

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-D562Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-D562Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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, Aroclor 1260 exhibited a percent difference greater than 15% from the expected amount in the opening continuing calibration while Aroclor 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.

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

12/5/02

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: 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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	UG/L	0.050	0.060
608PCB	Aroclor 1260	UG/L	0.050	0.060

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-1107	A7D56201	-	-	-	CFR136	-	-	-
NTS-EW-1107 (DUP)	A7D56202	-	-	-	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-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	-

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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

NYSDEC-6

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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-1107

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A7D56201Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7B45156.TX0% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 11/19/2007 11/21/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 11/23/2007Concentrated Extract Volume: 2000 (uL) Date Analyzed: 11/25/2007Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
12674-11-2----	Aroclor 1016	0.047 U
11104-28-2----	Aroclor 1221	0.047 U
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	0.047 U
11096-82-5----	Aroclor 1260	0.047 U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.47 U

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

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

GC Column(1): ZB-35 30 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	OCBP %REC #	TCMX %REC #							TOT OUT
1	Matrix Spike Blank	A7B1874801	86	102							0
2	Matrix Spike Blk Dup	A7B1874802	86	106							0
3	Method Blank	A7B1874803	87	104							0
4	NTS-EW-1107	A7D56201	65	92							0

QC LIMITS

(OCBP) = 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: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A7B1874803

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.16	116	58 - 141	
Aroclor 1260	1.00	0.965	96	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.15	116	0	30 58 - 141	
Aroclor 1260	1.00	1.10	111	14	30 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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

Client No.

Method Blank

Lab Name: TestAmerica Laborat Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B1874803 Lab File ID: 7B45155.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): Y Date Extracted: 11/23/2007

Date Analyzed (1): 11/25/2007 Date Analyzed (2): _____

Time Analyzed (1): 11:28 Time Analyzed (2): _____

Instrument ID (1): HF6890-7 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 SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1874801	11/25/2007	
2	Matrix Spike Blk Dup	A7B1874802	11/25/2007	
3	NTS-EW-1107	A7D56201	11/25/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: RBCNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7B1874803Sample wt/vol: 1000.00 (g/mL) MLLab File ID: 7B45155.TX0% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Scsdh): SEPFDate Extracted: 11/23/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 11/25/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2	---Aroclor 1016	0.050	U
11104-28-2	---Aroclor 1221	0.050	U
11141-16-5	---Aroclor 1232	0.050	U
53469-21-9	---Aroclor 1242	0.050	U
12672-29-6	---Aroclor 1248	0.050	U
11097-69-1	---Aroclor 1254	0.050	U
11096-82-5	---Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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

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-D562Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-D562Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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, Aroclor 1260 exhibited a percent difference greater than 15% from the expected amount in the opening continuing calibration while Aroclor 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.

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."



Jacek R. Kacalski
Project Manager

12/5/02

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

STL
STL Buffalo

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

SAMPLE LOGIN **JOB #** D562

Shipment ID _____ Strict Internal COC: YES NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY095551

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK Y/N # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>11/20/05 09:45</u>

COOLER TEMP 5.0 °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)

PRESERVATION CHECKED YES _____ NO NA _____ Initials DC

ARE SAMPLE DATES AND TIMES CORRECT? Initials DC

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials DC

Temp. Cert. Loss: _____

Job No: A07-0562 Client: Camp Dresser and McKee Project: NY7A9595 SDS: 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	Parameters	Lab	Pres Log	
								Code	PH
11/19/2007 11:00	11/21/2007 09:45	NTS-EW-1107	A7056201	Good	2-11GA	PCBS	RECNV	0100	
11/19/2007 11:00	11/21/2007 09:45	NTS-EW-1107 (DUP)	A7056202	Good	2-11GA	608 PCBS HOLD	RECNV	0100	

Sample Custodian: _____

[Signature] 11/21/2007

Analytical Services Coordinator: _____

1/20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=NCAA (Mono chloroacetic acid)

Analytical Report
December Sampling Event

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A07-E421Project#: NY7A9595Site Name: Niagara Mohawk O & MTask: 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

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	10028
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-E421Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-E421Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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, 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

12/2/07
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: 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.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<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	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: 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	-	-	-

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-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	-

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-1207	WATER	CFR136	SEPF	AS REQUIRED	AS REQUIRED
NTS-EW-1207 (DUP)	WATER	CFR136	SEPF	AS REQUIRED	AS REQUIRED

NYSDEC-6

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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/Arochlor 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-1207

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A7E42101Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A12098.TX0% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 12/12/2007 12/13/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 12/14/2007Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/15/2007Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor 1016	0.047	U
11104-28-2	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5	Aroclor 1260	0.047	U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.47	U

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

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

GC Column(1): ZB-5 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC	#	TCHX %REC	#						TOT OUT
1	Matrix Spike Blank	A7B1994501	56		86							0
2	Matrix Spike Blk Dup	A7B1994502	56		90							0
3	Method Blank	A7B1994503	56		76							0
4	NTS-EW-1207	A7E42101	56		79							0

QC LIMITS

(DCBP) = Decachlorobiphenyl
 (TCHX) = 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: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A7B1994503

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	0.919	92	58 - 141	
Aroclor 1260	1.00	1.00	101	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSED CONCENTRATION UG/L	MSED % REC #	% RPD #	QC LIMITS		+
					RPD	REC.	
Aroclor 1016	1.00	0.940	94	2	30	58 - 141	
Aroclor 1260	1.00	1.03	104	3	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B1994503Lab File ID: 12A12094.TX0Matrix: (soil/water) WATER

Extraction: _____

SEPFSulfur Cleanup: (Y/N): Y

Date Extracted: _____

12/14/2007Date Analyzed (1): 12/15/2007

Date Analyzed (2): _____

Time Analyzed (1): 11:46

Time Analyzed (2): _____

Instrument ID (1): HP5890-12

Instrument ID (2): _____

GC Column (1): ZB-5 Dia: 0.53(mm)

GC Column (2): _____

Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	Matrix Spike Blank	A7B1994501	12/15/2007	
2	Matrix Spike Blk Dup	A7B1994502	12/15/2007	
3	NTS-EW-1207	A7E42101	12/15/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: TestAmerica Laboratories Contract: _____Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7B1994503Sample wt/vol: 1000.00 (g/mL) MLLab File ID: 12A12094.TX0% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 12/14/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 12/15/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.00Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2	---Aroclor 1016	0.050	U
11104-28-2	---Aroclor 1221	0.050	U
11141-16-5	---Aroclor 1232	0.050	U
53469-21-9	---Aroclor 1242	0.050	U
12672-29-6	---Aroclor 1248	0.050	U
11097-69-1	---Aroclor 1254	0.050	U
11096-82-5	---Aroclor 1260	0.050	U
-----	Total Polychlorinated Biphenyls (7 Aroclor	0.50	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A07-E421Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-E421Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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.

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, 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

12/31/07
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)

Client: **COM** Project Manager: **Matt Miller's** Date: **12/12/07** Chain of Custody Number: **326230**

Address: **1 General Motors Drive** Telephone Number (Area Code)/Fax Number: **315 434 3256 315 463 5100** Lab Number: _____ Page **1** of **1**

City: **Syracuse** State: **NY** Zip Code: **13206** Site Contact: **Tim Beaumont** Lab Contact: _____

Project Name and Location (State): **N Wallace and San Cobbskill NY** Carrier/Waybill Number: **Drops off Syracuse Sewer Cont**

Contract/Purchase Order/Quote No. _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Sol.	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH						
NTS-EW-1207	12/12/07	815		X			X												
NTS-EW-1207 (DUP)	12/12/07	815		X			X												

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

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

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **STD**

QC Requirements (Specify): **CAT B**

1. Relinquished By: [Signature]	Date: 12/12/07	Time: 1110	1. Received By: R. English, TAL SYR	Date: 12/12/07	Time: 11:10
2. Relinquished By: [Signature]	Date: 12/12/07	Time: 1830	2. Received By: Bell TAL Buffalo	Date: 12/13/07	Time: 0845
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: **Hold "DUP" Sample. Analyze only if there is detection on original sample.**

25/232

STL
STL Buffalo

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

SAMPLE LOGIN	JOB # <u>E 431</u>
---------------------	---------------------------

Shipment ID _____ Strict Internal COC: YES / **NO**

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NYSASSS 1 1

TAT 15 BD/ _____ CD # OF SAMPLES 2 TRIP BLANK # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>12/13/07 08:45</u>

COOLER TEMP 4e2.0°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)

PRESERVATION CHECKED YES _____ NO NA _____ Initials DC

ARE SAMPLE DATES AND TIMES CORRECT? Initials DC

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials DC

Temp.Cert.Loss: _____

*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 within guidance limits.

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

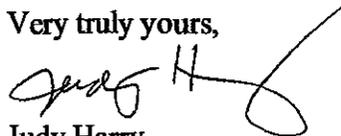
The confirmation column calibration standards responses fall well outside acceptable limits. However, the samples report no detection based upon acceptable primary column performance, and the confirmation column data are therefore not necessary.

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	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	-	-	-
C-21-0407	A7373603	-	-	-	CFR136	-	-	-
C-21-0407 DUP	A7373604	-	-	-	CFR136	-	-	-
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 B. Kacalski
Project Manager

5/3/07

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

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

Client No.

C-20-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7373601Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 7A28180.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/10/2007 04/13/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/15/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 04/16/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

C-21-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A7373603Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 7A28182.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/10/2007 04/13/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/15/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 04/16/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2	---Aroclor 1016	0.061	U
11104-28-2	---Aroclor 1221	0.061	U
11141-16-5	---Aroclor 1232	0.061	U
53469-21-9	---Aroclor 1242	0.061	U
12672-29-6	---Aroclor 1248	0.061	U
11097-69-1	---Aroclor 1254	0.061	U
11096-82-5	---Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

C-22-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7373605

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7A28183.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 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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

FD-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7373607Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 7A28184.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/10/2007 04/13/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/15/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 04/16/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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#: A07-3736STL Project#: NY7A9595Site Name: Niagara Mohawk O & MTask: 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

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
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA, ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA, RCRA	68-002B1
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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
A7373602SD	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
A7373601SD	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.

METHODS SUMMARY

Job#: A07-3736STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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 CONSERVATIONSAMPLE 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 CONSERVATIONSAMPLE 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#: A07-3736STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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

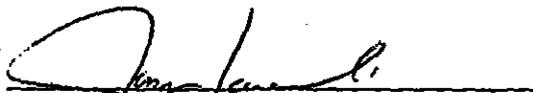
Lab: Please filter the "DUP" volume prior to extraction.

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.

"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 B. Kacalski
Project Manager

5/3/07
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	-	-	-
C-21-0407	A7373603	-	-	-	CFR136	-	-	-
C-21-0407 DUP	A7373604	-	-	-	CFR136	-	-	-
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 aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

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

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

Client No.

C-20-0407

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN 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: 7A28180.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 Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2	Aroclor 1016	0.061	U
11104-28-2	Aroclor 1221	0.061	U
11141-16-5	Aroclor 1232	0.061	U
53469-21-9	Aroclor 1242	0.061	U
12672-29-6	Aroclor 1248	0.061	U
11097-69-1	Aroclor 1254	0.061	U
11096-82-5	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

C-21-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7373603

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 7A28182.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 Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

C-22-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7373605

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 7A28183.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 Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Client No.

FD-0407

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A7373607Sample wt/vol: 1060.00 (g/mL) MLLab File ID: 7A28184.TX0% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/10/2007 04/13/2007Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/15/2007Concentrated Extract Volume: 2000 (uL)Date Analyzed: 04/16/2007Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.00Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U
-----	Total Polychlorinated Biphenyls	0.094	U

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

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-5 30 ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
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
5	C-22-0407	A7373605	84	96							0
6	FD-0407	A7373607	83	97							0
7	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 Name: STL Buffalo

Contract: _____

Lab Samp ID: A7373601Lab Code: RECNY Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: C-20-0407

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.	+
Aroclor 1016	0.943	0	1.02	109	58 - 141	
Aroclor 1260	0.943	0	0.848	90	56 - 144	

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS REC.		+
Aroclor 1016	0.943	0.998	106	3	30	58 - 141	
Aroclor 1260	0.943	0.886	94	4	30	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 outside limitsSpike recovery: 0 out of 4 outside limitsComments: _____

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: A7B0531602Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.08	109	58 - 141	
Aroclor 1260	1.00	1.07	108	56 - 144	

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

* Values outside of QC limits

Spike recovery: 0 out of 2 outside limitsComments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Lab Sample ID: A7B0531602

Lab File ID: 7A28178.TX0

Matrix: (soil/water) WATER

Extraction: SEPF

Sulfur Cleanup: (Y/N): N

Date Extracted: 04/15/2007

Date Analyzed (1): 04/16/2007

Date Analyzed (2): _____

Time Analyzed (1): 19:48

Time Analyzed (2): _____

Instrument ID (1): HP6890-7

Instrument ID (2): _____

GC Column (1): ZB-5 30 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	C-20-0407	A7373601	04/16/2007	
2	C-20-0407 MS	A7373601MS	04/16/2007	
3	C-20-0407 SD	A7373601SD	04/16/2007	
4	C-21-0407	A7373603	04/16/2007	
5	C-22-0407	A7373605	04/16/2007	
6	FD-0407	A7373607	04/16/2007	
7	Matrix Spike Blank	A7B0531601	04/16/2007	

Comments: _____

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

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B0531602

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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
12674-11-2	---Aroclor 1016	0.065 U
11104-28-2	---Aroclor 1221	0.065 U
11141-16-5	---Aroclor 1232	0.065 U
53469-21-9	---Aroclor 1242	0.065 U
12672-29-6	---Aroclor 1248	0.065 U
11097-69-1	---Aroclor 1254	0.065 U
11096-82-5	---Aroclor 1260	0.065 U
-----	Total Polychlorinated Biphenyls	0.10 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#: A07-3736STL Project#: NY7A9595Site Name: Niagara Mohawk O & MGeneral 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#: A07-3736STL Project#: NY7A9595Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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
A7373602SD	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
A7373601SD	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

SEVERN
TRENT **STL**

STL Buffalo

Doc. Login/ARRF - Side A
Rev 3
10/17/2005

SAMPLE LOGIN **JOB #** 3236

Shipment ID _____ Strict Internal COC: YES NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC 71530 Project / Task NY 749595 1

TAT 15 BD/ _____ CD # OF SAMPLES 8 TRIP BLANK # _____

SHIPPED BY <u>Fedex</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>4, 13, 02 09:30</u>

COOLER TEMP 4e4.0 °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 [Signature]

WERE ALL THE APPROPRIATE TESTS ASSIGNED?

Initials [Signature]

Temp. Cert. Loss: _____

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			Cooler Temperature: 4@4.0°C		
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
04/10/2007 10:00	04/13/2007 09:30	C-20-0407	A7373601	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007 10:00	04/13/2007 09:30	C-20-0407	A7373601MS	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007 10:00	04/13/2007 09:30	C-20-0407	A7373601SD	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007 10:00	04/13/2007 09:30	C-20-0407 DUP	A7373602	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	
04/10/2007 10:00	04/13/2007 09:30	C-20-0407 DUP	A7373602MS	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	
04/10/2007 10:00	04/13/2007 09:30	C-20-0407 DUP	A7373602SD	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	
04/10/2007 11:05	04/13/2007 09:30	C-21-0407	A7373603	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007 11:05	04/13/2007 09:30	C-21-0407 DUP	A7373604	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	
04/10/2007 12:00	04/13/2007 09:30	C-22-0407	A7373605	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007 12:00	04/13/2007 09:30	C-22-0407 DUP	A7373606	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	
04/10/2007	04/13/2007 09:30	FD-0407	A7373607	Good	2-11GA	PCBS	RECNY	0100	
04/10/2007	04/13/2007 09:30	FD-0407 DUP	A7373608	Good	1-11GA	PCBS (EXTRACT+HOLD)	RECNY	0100	

Sample Custodian: *DC 4/13/2007*

Analytical Services Coordinator: 1 / 20

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
 Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
 09=MCAA (Mono chloroacetic acid)

*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 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.

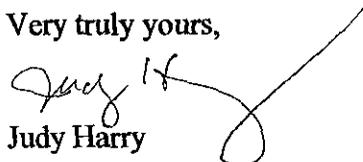
The chromatograms are not scaled according to ASP requirements, but are normalized to a solvent peak. Therefore, independent verification of the reported non-detected results is not possible.

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 presence 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	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
C-20-1007	A7B33901	-	-	-	SW8463	-	-	-
C-20-1007"DUP"	A7B33902	-	-	-	SW8463	-	-	-
C-21-1007	A7B33903	-	-	-	SW8463	-	-	-
C-21-1007"DUP"	A7B33904	-	-	-	SW8463	-	-	-
C-22-1007	A7B33905	-	-	-	SW8463	-	-	-
C-22-1007"DUP"	A7B33906	-	-	-	SW8463	-	-	-
FD-1007	A7B33907	-	-	-	SW8463	-	-	-
FD-1007"DUP"	A7B33908	-	-	-	SW8463	-	-	-

NYSDEC-1

SDG NARRATIVE

Job#: A07-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

10/12/03
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.

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

13/315

Client No.

C-20-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B33901

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A07069.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.10 0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR	✓ 0.066	U

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

14/315

Client No.

C-21-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B33903

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A07074.TX0

% 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) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
12674-11-2----	Aroclor 1016	0.10	0.047	U
11104-28-2----	Aroclor 1221		0.047	U
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		0.047	U
11096-82-5----	Aroclor 1260		0.047	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR		0.066	U

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

15/315

Client No.

C-22-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B33905

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A07075.TX0

% 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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
12674-11-2	---Aroclor 1016	0.10	0.047	U
11104-28-2	---Aroclor 1221		0.047	U
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		0.047	U
11096-82-5	---Aroclor 1260		0.047	U
1336-36-3	-----Total Polychlorinated Biphenyls-8082 (7 AR)	↓	0.066	U

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

16/315

Client No.

FD-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

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: 12A07076.TX0

% 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) N

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
12674-11-2	---Aroclor 1016	0.10 0.047 U
11104-28-2	---Aroclor 1221	0.047 U
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	0.047 U
11096-82-5	---Aroclor 1260	0.047 U
1336-36-3	-----Total Polychlorinated Biphenyls-8082 (7 AR	0.066 U

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

17/315

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): ZB-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	C-20-1007	A7833901	64	92							0
2	C-20-1007 MS	A7833901MS	54	104							0
3	C-20-1007 SD	A7833901SD	59	112							0
4	C-21-1007	A7833903	100	118							0
5	C-22-1007	A7833905	78	104							0
6	FD-1007	A7833907	74	114							0
7	Matrix Spike Blank	A781572501	82	109							0
8	Method Blank	A781572502	96	110							0

QC LIMITS

(DCBP) = Decachlorobiphenyl

(26-145)

(TCMX) = Tetrachloro-m-xylene

(25-152)

Column to be used to flag recovery values

* Values outside of contract required QC limits

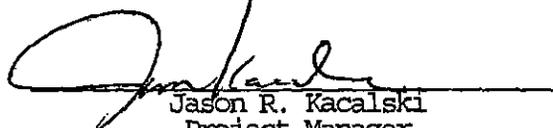
D Surrogates diluted out

STL**STL Buffalo**10 Hazelwood Drive, Suite 106
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A07-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & M
Task: Wallace & Sons ScrapyardTimothy Beaumont
CDM
One General Motors Dr. STE 2
Syracuse, NY 13206

STL 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	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	958
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

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			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	10/02/2007	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	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

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-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

10/17/07
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: 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>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
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	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
C-20-1007	A7B33901	-	-	-	SW8463	-	-	-
C-20-1007"DUP"	A7B33902	-	-	-	SW8463	-	-	-
C-21-1007	A7B33903	-	-	-	SW8463	-	-	-
C-21-1007"DUP"	A7B33904	-	-	-	SW8463	-	-	-
C-22-1007	A7B33905	-	-	-	SW8463	-	-	-
C-22-1007"DUP"	A7B33906	-	-	-	SW8463	-	-	-
FD-1007	A7B33907	-	-	-	SW8463	-	-	-
FD-1007"DUP"	A7B33908	-	-	-	SW8463	-	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE 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-20-1007	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 CONSERVATIONSAMPLE 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-20-1007	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

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 8082 - POLYCHLORINATED BIPHENYLS
 ANALYSIS DATA SHEET

13/315

Client No.

C-20-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B33901

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A07069.TX0

% 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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.10 0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR)	0.066	U

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

14/315

Client No.

C-21-1007

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B33903

Sample wt/vol: 1060.00 (g/mL) ML

Lab File ID: 12A07074.TX0

% 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) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.10 0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR)	0.066	U

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

15/315

Client No.

C-22-1007

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A7B33905

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12A07075.TX0

% 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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
12674-11-2----	Aroclor 1016	0.10 0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
1336-36-3----	Total Polychlorinated Biphenyls-8082 (7 AR	0.066	U

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

16/315

Client No.

FD-1007

Lab Name: STL Buffalo

Contract: _____

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: 12A07076.TX0

% 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) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.10 0.047	U
11104-28-2----	Aroclor 1221	0.047	U
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	0.047	U
11096-82-5----	Aroclor 1260	0.047	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR)	0.066	U

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

17/315

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

GC Column(1): Z8-35

ID: 0.53 (mm)

	Client Sample ID	Lab Sample ID	DCBP %REC #	TCMX %REC #							TOT OUT
1	C-20-1007	A7B33901	64	92							0
2	C-20-1007 MS	A7B33901MS	54	104							0
3	C-20-1007 SD	A7B33901SD	59	112							0
4	C-21-1007	A7B33903	100	118							0
5	C-22-1007	A7B33905	78	104							0
6	FD-1007	A7B33907	74	114							0
7	Matrix Spike Blank	A7B1572501	82	109							0
8	Method Blank	A7B1572502	96	110							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 8082 - POLYCHLORINATED BIPHENYLS
 WATER MATRIX SPIKE BLANK RECOVERY

18/315

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B1572502

Lab Code: RECNY Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: Method Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	+
Aroclor 1016	1.00	1.04	105	58 - 141	
Aroclor 1260	1.00	1.08	108	56 - 144	

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

* Values outside of QC limits

Spike recovery: 0 out of 2 outside limits

Comments: _____

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

19/315

Lab Name: STL Buffalo

Contract: _____

Lab Samp ID: A7B33901

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix Spike - Client Sample No.: C-20-1007

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

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS REC.	+
Aroclor 1016	0.943	1.06	113	10	30	58 - 141
Aroclor 1260	0.943	1.02	109	19	30	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 outside limits

Spike recovery: 0 out of 4 outside limits

Comments: _____

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

20/315

Client No.

Method Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Lab Sample ID: A7B1572502 Lab File ID: 12A07061.TX0

Matrix: (soil/water) WATER Extraction: SEPF

Sulfur Cleanup: (Y/N): Y Date Extracted: 10/07/2007

Date Analyzed (1): 10/08/2007 Date Analyzed (2): _____

Time Analyzed (1): 11:22 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-35 Dia: 0.53(mm) GC Column (2): _____ Dia: _____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	C-20-1007	A7B33901	10/08/2007	
2	C-20-1007 MS	A7B33901MS	10/08/2007	
3	C-20-1007 SD	A7B33901SD	10/08/2007	
4	C-21-1007	A7B33903	10/08/2007	
5	C-22-1007	A7B33905	10/08/2007	
6	FD-1007	A7B33907	10/08/2007	
7	Matrix Spike Blank	A7B1572501	10/08/2007	

Comments: _____

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

21/315

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A7B1572502

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: 12A07061.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: _____

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: 5.00

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.050	U
11104-28-2----	Aroclor 1221	0.050	U
11141-16-5----	Aroclor 1232	0.050	U
53469-21-9----	Aroclor 1242	0.050	U
12672-29-6----	Aroclor 1248	0.050	U
11097-69-1----	Aroclor 1254	0.050	U
11096-82-5----	Aroclor 1260	0.050	U
1336-36-3-----	Total Polychlorinated Biphenyls-8082 (7 AR)	0.070	U

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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	10/02/2007	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	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

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-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & M

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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-B339Project#: NY7A9595
Site Name: Niagara Mohawk O & MGeneral 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

10/17/07
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

STL

STL Buffalo

Doc. Login/ARRF - Side A

Rev 4

May 11, 2007

SAMPLE LOGIN **JOB #** B339

Shipment ID _____ Strict Internal COC: YES NO

Residual Chlorine Check:

Radiation Check <0.02 mR/hr: YES / NO

AC _____ Project / Task NY 7A9599 | |

TAT 15 BDI/ _____ CD # OF SAMPLES 8 TRIP BLANK # 1

SHIPPED BY <u>Courier</u>	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	<u>10/4/07 13:00</u>

COOLER TEMP 2.0 °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)

PRESERVATION CHECKED YES _____ NO _____ NA Initials mm

ARE SAMPLE DATES AND TIMES CORRECT? Initials mm

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials mm

Temp.Cert.Loss: _____

**LNAPL Recovery Totals
M.Wallace and Son, Inc.
Cobleskill, New York**

	C-3/MW-8		C-4	
	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
7/2006-12/2006	0.13
1/2007-12/2007	1.00

Total LNAPL Recovered

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 1/30/2007

Technician: TJB

Time: 1030

Weather: Cold 10°

LNAPL WELL C-3/MW-8

LNAPL WELL 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

	<u>CIRCLE</u>		<u>COMMENTS:</u>		<u>CIRCLE</u>		<u>COMMENTS:</u>
<i>Check for LNAPL in well?</i>	YES	NO	None		YES	NO	None
<i>Inspect the head pulley</i>	YES	NO			YES	NO	
<i>Clean the head pulleys</i>	YES	NO			YES	NO	
<i>Clean the wipers and trough</i>	YES	NO			YES	NO	
<i>Inspect the discharge hose</i>	YES	NO			YES	NO	
<i>Inspect the drum</i>	YES	NO			YES	NO	
<i>Inspect the drum containment</i>	YES	NO			YES	NO	
<i>Inspect the timer</i>	YES	NO			YES	NO	
<i>Run the system</i>	YES	NO			YES	NO	
<i>Timer set at?</i>			System runs 30 minutes every 3 hours.				System runs 15 minutes every 12 hours.
<i>Inspect the building exterior</i>	YES	NO			YES	NO	
<i>Building secure?</i>	YES	NO			YES	NO	
<i>Inspect the building interior</i>	YES	NO			YES	NO	
<i>Is heater on?</i>	YES	NO			YES	NO	
<i>Heater set at?</i>			60 °F				60 °F
<i>Is exhaust fan on?</i>	YES	NO			YES	NO	

Comments:

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

<i>Vegetative Cover in place and competent</i>	YES	NO	<i>Comments:</i>
<i>Perimeter fencing secure</i>	YES	NO	<i>Comments:</i>
<i>Main Gate secure</i>	YES	NO	<i>Comments:</i>

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 Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 2/21/2007

Technician: TJB

Time: 1000

Weather: Partly Cloudy 20's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

	<u>CIRCLE</u>		<u>COMMENTS:</u>		<u>CIRCLE</u>		<u>COMMENTS:</u>
<i>Check for LNAPL in well?</i>	YES	NO	None		YES	NO	None
<i>Inspect the head pulley</i>	YES	NO			YES	NO	
<i>Clean the head pulleys</i>	YES	NO			YES	NO	
<i>Clean the wipers and trough</i>	YES	NO			YES	NO	
<i>Inspect the discharge hose</i>	YES	NO			YES	NO	
<i>Inspect the drum</i>	YES	NO			YES	NO	
<i>Inspect the drum containment</i>	YES	NO			YES	NO	
<i>Inspect the timer</i>	YES	NO			YES	NO	
<i>Run the system</i>	YES	NO			YES	NO	
<i>Timer set at?</i>			System runs 30 minutes every 3 hours.				System runs 15 minutes every 12 hours.
<i>Inspect the building exterior</i>	YES	NO			YES	NO	
<i>Building secure?</i>	YES	NO			YES	NO	
<i>Inspect the building interior</i>	YES	NO			YES	NO	
<i>Is heater on?</i>	YES	NO			YES	NO	
<i>Heater set at?</i>			60 °F				60 °F
<i>Is exhaust fan on?</i>	YES	NO			YES	NO	

Comments:

Installed new heater in Building LNAPL WELL C-4.

Site Conditions

<i>Vegetative Cover in place and competent</i>	YES	NO	<i>Comments:</i>
<i>Perimeter fencing secure</i>	YES	NO	<i>Comments:</i>
<i>Main Gate secure</i>	YES	NO	<i>Comments:</i>

Over ~30" of snow has fallen within the last week. Use snowblower and shovel to clear driveway and around system.

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 3/13/2007

Technician: TJB

Time: 900

Weather: Partly Cloudy 40's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

CIRCLE

COMMENTS:

CIRCLE

COMMENTS:

Check for LNAPL in well?

CIRCLE	COMMENTS:	CIRCLE	COMMENTS:
YES	NO	None	YES
YES	NO		YES

Inspect the head pulley

Clean the head pulleys

Clean the wipers and trough

Inspect the discharge hose

Inspect the drum

Inspect the drum containment

Inspect the timer

Run the system

Timer set at?

System runs 30 minutes every 3 hours.

System runs 15 minutes every 12 hours.

Inspect the building exterior

Building secure?

Inspect the building interior

Is heater on?

Heater set at?

Is exhaust fan on?

YES	NO		YES	NO
YES	NO		YES	NO
YES	NO		YES	NO
YES	NO		YES	NO

60 °F

60 °F

YES

NO

YES

NO

Comments:

Site Conditions

Vegetative Cover in place and competent

Perimeter fencing secure

Main Gate secure

YES	NO	Comments:
YES	NO	Comments:
YES	NO	Comments:

Snow is melting at a good rate.

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 4/2/2007

Technician: TJB

Time: 1500

Weather: Sunny 50's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

	<u>CIRCLE</u>		<u>COMMENTS:</u>	<u>CIRCLE</u>		<u>COMMENTS:</u>
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	
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.		
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:

Site Conditions

Vegetative Cover in place and competent	YES	NO	Comments:
Perimeter fencing secure	YES	NO	Comments:
Main Gate secure	YES	NO	Comments:

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 5/9/2007

Technician: TJB

Time: 1500

Weather: Sunny 70's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

CIRCLE

COMMENTS:

CIRCLE

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

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.

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

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

YES

NO

Comments:

Perimeter fencing secure

YES

NO

Comments: Installed "no trespassing" signs on the perimeter fencing.

Main Gate secure

YES

NO

Comments:

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 6/13/2007

Technician: TJB

Time: 900

Weather: Sunny 70's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

CIRCLE

COMMENTS:

CIRCLE

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

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.

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

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

YES

NO

Comments:

Perimeter fencing secure

YES

NO

Comments:

Main Gate secure

YES

NO

Comments:

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
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

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:

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

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.

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

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

YES

NO

Comments:

Perimeter fencing secure

YES

NO

Comments:

Main 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.

LNAPL Wells and Site OM 071907

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 8/13/2007

Technician: TJB

Time: 1100

Weather: Sunny 70's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

CIRCLE

COMMENTS:

CIRCLE

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

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.

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

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

YES

NO

Comments:

Perimeter fencing secure

YES

NO

Comments:

Main Gate secure

YES

NO

Comments:

Asplundh applied weed killer to the perimeter fence line (minus the north which borders the school), around the treatment buildings and any gravel areas.

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 9/17/2007

Technician: TJB

Time: 1115

Weather: Sunny 70's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

	<u>CIRCLE</u>		<u>COMMENTS:</u>	<u>CIRCLE</u>		<u>COMMENTS:</u>
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	
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.		
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		
Is exhaust fan on?	YES	NO	set to come on at 75°F	YES	NO	set to come on at 75°F

Comments:

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:
Main Gate secure	YES	NO	Comments:

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 10/02/2007

Technician: TJB

Time: 1415

Weather: Sunny 60's

LNAPL WELL C-3/MW-8

LNAPL WELL 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

CIRCLE

COMMENTS:

CIRCLE

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

Inspect the timer

YES NO

YES 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.

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 °F

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.

Site Conditions

Vegetative Cover in place and competent

YES

NO

Comments:

Perimeter fencing secure

YES

NO

Comments:

Main Gate secure

YES

NO

Comments:

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 11/15/2007

Technician: TJB

Time: 0900

Weather: Sunny 60's

LNAPL WELL C-3/MW-8

LNAPL WELL C-4

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

	<u>CIRCLE</u>		<u>COMMENTS:</u>		<u>CIRCLE</u>		<u>COMMENTS:</u>
<i>Check for LNAPL in well?</i>	YES	NO	None		YES	NO	None
<i>Inspect the head pulley</i>	YES	NO			YES	NO	
<i>Clean the head pulleys</i>	YES	NO			YES	NO	
<i>Clean the wipers and trough</i>	YES	NO			YES	NO	
<i>Inspect the discharge hose</i>	YES	NO			YES	NO	
<i>Inspect the drum</i>	YES	NO			YES	NO	
<i>Inspect the drum containment</i>	YES	NO			YES	NO	
<i>Inspect the timer</i>	YES	NO			YES	NO	
<i>Run the system</i>	YES	NO			YES	NO	
<i>Timer set at?</i>			System runs 30 minutes every 6 hours.				System runs 15 minutes every 12 hours.
<i>Inspect the building exterior</i>	YES	NO			YES	NO	
<i>Building secure?</i>	YES	NO			YES	NO	
<i>Inspect the building interior</i>	YES	NO			YES	NO	
<i>Is heater on?</i>	YES	NO			YES	NO	
<i>Heater set at?</i>			55 °F				55 °F
<i>Is exhaust fan on?</i>	YES	NO	set to come on at 75°F		YES	NO	set to come on at 75°F

Comments:

Site Conditions

<i>Vegetative Cover in place and competent</i>	YES	NO	<i>Comments:</i>
<i>Perimeter fencing secure</i>	YES	NO	<i>Comments:</i>
<i>Main Gate secure</i>	YES	NO	<i>Comments:</i>

**LNAPL Recovery System Operation and Maintenance
Site Maintenance and Monitoring
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York**

Date: 12/5/2007

Technician: TJB

Time: 1400

Weather: Partly Cloudy 20's

LNAPL WELL C-3/MW-8

LNAPL WELL C-4

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

	<u>CIRCLE</u>		<u>COMMENTS:</u>	<u>CIRCLE</u>		<u>COMMENTS:</u>
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	
Inspect the timer	YES	NO		YES	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.		
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?	55 °F			55 °F		
Is exhaust fan on?	YES	NO	set to come on at 75°F	YES	NO	set to come on at 75°F

Comments:

Covered the fresh air vents in each building to try and reduce heat lose.

Site Conditions

Vegetative Cover in place and competent	YES	NO	Comments:
Perimeter fencing secure	YES	NO	Comments:
Main Gate secure	YES	NO	Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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 Readings:	
Quarry Level (ft.)	5.74
Flow Rate (gpm)	127
PH	7.59

Weather: Cold 10°

Sampled By: TJB

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

Sample ID.	Date	Time	Turbidity (NTU)
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).

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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 Readings:	
Quarry Level (ft.)	9.01
Flow Rate (gpm)	163
PH	6.55

Weather: Sunny 31°

Sampled By: TJB

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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.

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

Sample ID.	Date	Time	Turbidity (NTU)
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.

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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-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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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-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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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	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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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-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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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-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

Comments:

Quarry Pond Water Treatment System Sampling
M. Wallace and Son, Inc.
Scrapyard Site
Cobleskill, New York

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-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

Comments:



Infrastructure, environment, facilities

Mr. James F. Morgan
National Grid
300 Erie Boulevard West
Syracuse, New York 13202

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

Imagine the result

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

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 maxilllingua*). Edible-size fish included two smallmouth bass (*Micropterus dolomieu*) 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.

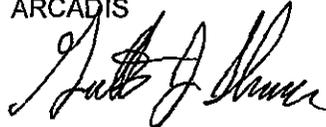
Summary

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., GDM~~
David K. Rigg, ARCADIS
Jason C. Vogel, 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

Sample ID	Date Collected	Species	Number of Individuals	Sample Type	Length (cm)	Weight (grams)	lipid (%)	Total PCBs (ng/kg)	lipid Normalized PCBs (ng/kg lipid)
2007 Fish Tissue Data									
Cobleskill Creek									
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 Drainage System (Unnamed Tributary)									
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
2002 Fish Tissue Data									
Cobleskill Creek									
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	1	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 Drainage System (Unnamed Tributary)									
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	wbc	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 Fish Tissue Data									
Cobleskill Creek									
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 System (Unnamed Tributary)									
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	1	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

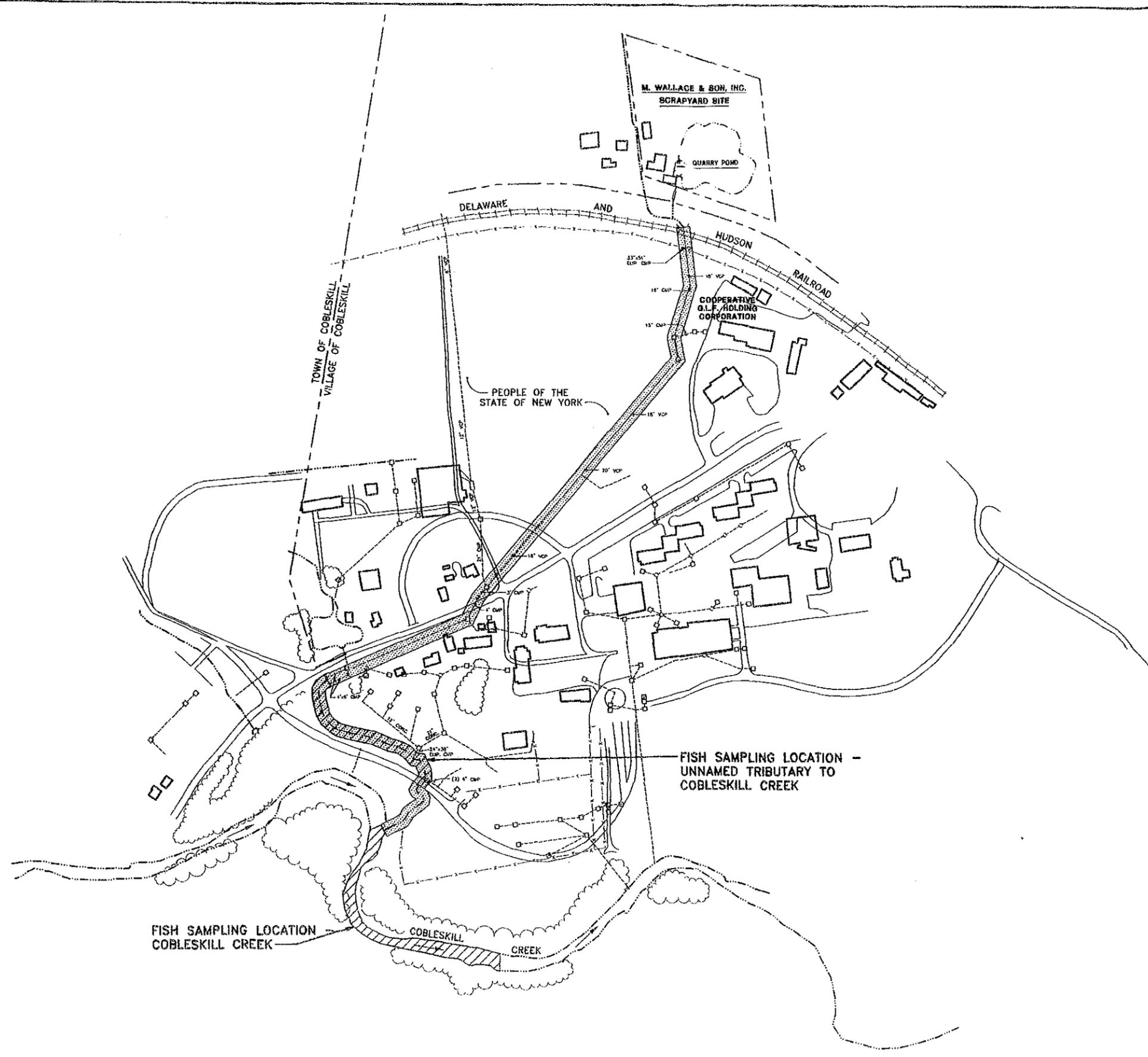
Notes:

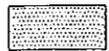
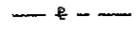
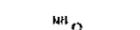
1. Whole-body fish composite sample lengths are represented by the average of individuals.
2. Non-detected (ND) total PCBs values are shown with the sample detection limit within brackets.
3. sf = skin-on fillet sample.
4. wbc = whole-body composite sample.
5. NA = not available.

ARCADIS

Figure 1
Sampling Locations

S:\05-DRW\DWG\PLT\PLT.ctb LAYER: ON* OFF*REF*
 C:\CAD\ACTIVE\DWG\ACT\36417390\36417390.dwg SAVED: 9/13/2007 3:18 PM LAYOUT: 1 PAPERSETUP: PENTABLE:PLT\PLT.ctb PRINTED: 9/13/2007 3:18 PM BY: KSTINSON
 PROJECTNAME: MADES:



- LEGEND:**
-  STORM WATER DRAINAGE SYSTEM
 -  FISH SAMPLING LOCATIONS
 -  PROPERTY LINE
 -  STORM SEWER PIPE ROUTE
 -  DRAINAGE DITCH
 -  SURFACE WATER FEATURE
 -  FENCE
 -  STORM SEWER MANHOLE
 -  STORM SEWER CATCH BASIN
 -  BUILDINGS
 -  DIRECTION OF SURFACE WATER FLOW

GENERAL NOTES:

- THIS SHEET WAS DEVELOPED FROM THE VILLAGE OF COBLESKILL, NEW YORK, STORM SEWER SYSTEM MAP. THIS SHEET HAS BEEN UPDATED UNDER HC 7525 DATED FEBRUARY 1985.

NATIONAL GRID M. WALLACE & SON, INC. SCRAPYARD COBLESKILL, NEW YORK	
UNNAMED TRIBUTARY TO COBLESKILL CREEK AND COBLESKILL CREEK SAMPLING LOCATIONS	
 <small>infrastructure. environment. facilities</small>	FIGURE 1

ARCADIS

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

POLYCHLORINATED BIPHENYLS (PCBs) ANALYSES

Introduction

Analyses were performed according to (United States 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 than the control limit (15%).

All calibration criteria were within the control limits.

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 where 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 be 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
<u>Data Completeness and Deliverables</u>			
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?	<u>X</u>	_____	_____
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	_____	<u>X</u>	_____
<u>Holding Times</u>			
Have any holding times been exceeded?	_____	<u>X</u>	_____
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	_____	<u>X</u>	_____
Are all the samples listed on the appropriate surrogate recovery form?	_____	_____	<u>X</u>
Were recoveries of any surrogate outside of specified limits for any sample or blank?	_____	<u>X</u>	_____
If yes, were the samples reanalyzed?	_____	_____	<u>X</u>
Are there any transcription/calculation errors between the raw data and the summary form?	_____	<u>X</u>	_____
<u>Matrix Spikes</u>			
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? <u>0</u> out of <u>1</u>	_____	_____	_____
<u>Blanks</u>			
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?	<u>X</u>	_____	_____
Do any method/reagent/instrument blanks have positive results?	_____	<u>X</u>	_____
Do any field/rinse/equipment blanks have positive results?	_____	_____	<u>X</u>
Are there field/rinse/equipment blanks associated with every sample?	_____	<u>X</u>	_____
<u>Calibration and GC Performance</u>			
Are the following chromatograms and integration reports present? peak resolution check	_____	_____	<u>X</u>

	YES	NO	NA
Aroclor 1016/1260	<u>X</u>	<u> </u>	<u> </u>
Aroclors 1221, 1232, 1242, 1248, and 1254	<u>X</u>	<u> </u>	<u> </u>
Is a calibration summary form present and complete for each analytical sequence?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the forms?	<u> </u>	<u>X</u>	<u> </u>
Are the %RSD for the initial calibration within specified limits for all analytes?	<u>X</u>	<u> </u>	<u> </u>
Is the resolution between any two adjacent peaks in the resolution check mixture > 60%?	<u> </u>	<u> </u>	<u>X</u>
Have all samples been injected within a 12 hour period beginning with the injection of a calibration standard?	<u>X</u>	<u> </u>	<u> </u>
Is a continuing calibration summary form present and complete for each continuing standard analyzed?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the form?	<u> </u>	<u>X</u>	<u> </u>
Are all the percent difference (%D) values for all continuing calibration standards within specified limits?	<u>X</u>	<u> </u>	<u> </u>
<u>Analytical Sequence</u>			
Is Form VIII present and complete for each column and each period of analyses?	<u>X</u>	<u> </u>	<u> </u>
Was the proper analytical sequence followed?	<u>X</u>	<u> </u>	<u> </u>
<u>Cleanup Efficiency Verification</u>			
Are percent recoveries of the compounds used to check the efficiency of the cleanup procedure within QC limits?	<u>X</u>	<u> </u>	<u> </u>
<u>PCB Identification</u>			
Are RT of sample compounds within the established RT windows?	<u>X</u>	<u> </u>	<u> </u>
Were all positively identified compounds confirmed on a second column?	<u>X</u>	<u> </u>	<u> </u>
Was GC/MS confirmation provided when required?	<u>X</u>	<u> </u>	<u> </u>
Were there any false negatives?	<u> </u>	<u>X</u>	<u> </u>
<u>Compound Quantitation and Reported Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u>X</u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u> </u>	<u> </u>	<u>X</u>
<u>Chromatogram Quality</u>			
Were the baselines stable?	<u>X</u>	<u> </u>	<u> </u>
Were any electronegative displacement (negative peaks) or unusual peaks detected?	<u> </u>	<u>X</u>	<u> </u>

YES NO NA

Field Duplicates

Were field duplicates submitted with the samples?

____ X ____

CORRECTED SAMPLE ANALYSIS DATA SHEETS

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	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	2.84	---	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
						Prep Date/Time: 10/30/07 9:29 AM	Anl By: CAH	
Aroclor 1016	< 50	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1232	< 50	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1242	< 50	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1248	< 50	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1254	310	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Aroclor 1260	180	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082
Total PCBs	490	50	1	ug/Kg wet		11/06/07 3:38 AM	SW846 3540C	SW846 8082

Surrogate

LCL UCL

Analyte	Result	LCL	UCL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Tetrachloro-m-xylene	93	40	136	1	%		11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	96	47	145	1	%		11/06/07	SW846 3540C	SW846 8082

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
Lab Sample Number : 890029-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	3.92	---	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Prep Date/Time: 10/30/07 9:29 AM Anl By: CAH

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl 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 UCL

Surrogate	Result	LCL	UCL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Tetrachloro-m-xylene	92	40	136	1	%		11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	103	47	145	1	%		11/06/07	SW846 3540C	SW846 8082

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
Lab Sample Number : 890029-003

INORGANICS

Test	Result	EQL	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: 10/31/07							Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Aroclor 1016	< 56	56	1	ug/Kg wet		11/06/07 4:38 AM	SW846 3540C	SW846 8082
Aroclor 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	UCL					
Tetrachloro-m-xylene	93	40	136	1	%	11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	102	47	145	1	%	11/06/07	SW846 3540C	SW846 8082

**Pace Analytical
Services, Inc.**

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
Report Date : 11/14/07
Lab Sample Number : 890029-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	1.95	--	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Prep Date/Time: 10/30/07 9:29 AM Anl 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 5:09 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 5:09 AM	SW846 3540C	SW846 8082
Aroclor 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

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	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
						Prep Date/Time: 10/30/07 9:29 AM	Anl By: CAH	
Aroclor 1016	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1232	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1242	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1248	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1254	57	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Aroclor 1260	< 50	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	SW846 8082
Total PCBs	57	50	1	ug/Kg wet		11/06/07 5:39 AM	SW846 3540C	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

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	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	1.03	--	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Prep Date/Time: 10/30/07 9:29 AM Anl 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 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
Decachlorobiphenyl	97	47	145	1	%	11/06/07	SW846 3540C	SW846 8082

Client : ARCADIS BBL
Project Name : WALLACE SITE
Project Number :
Field ID : CC-CM-01

Matrix Type : BIOTA
Collection Date : 10/22/07
Report Date : 11/14/07
Lab Sample Number : 890029-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	4.14	---	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Prep Date/Time: 10/30/07 9:29 AM Anl By: CAH								
Aroclor 1016	< 50	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1232	< 50	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1242	< 50	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1248	< 50	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1254	61	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Aroclor 1260	86	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082
Total PCBs	150	50	1	ug/Kg wet		11/06/07 6:39 AM	SW846 3540C	SW846 8082

Surrogate

LCL UCL

Analyte	Result	LCL	UCL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
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

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
Lab Sample Number : 890029-008

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	3.12	---	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

					Prep Date/Time: 10/30/07 9:29 AM		Anl By: CAH	
Analyte	Result	EQL	Dilution	Units	Code	Anl 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	95	40	136	1	%	11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	104	47	145	1	%	11/06/07	SW846 3540C	SW846 8082

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
Lab Sample Number : 890029-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	5.72	--	1	%		10/31/07	Pace Lipid	Pace Lipid
Prep Date/Time: 10/31/07							Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Prep Date/Time: 10/30/07 9:29 AM							Anl By: CAH	
Aroclor 1016	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1232	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1242	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1248	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1254	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Aroclor 1260	< 50	50	1	ug/Kg wet		11/06/07 7:40 AM	SW846 3540C	SW846 8082
Total PCBs	< 50	50	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

Client : ARCADIS BBL
Project Name : WALLACE SITE
Project Number :
Field ID : CC-HS-02

Matrix Type : BIOTA
Collection Date : 10/22/07
Report Date : 11/14/07
Lab Sample Number : 890029-010

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	0.70	---	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
						Prep Date/Time: 10/30/07 9:29 AM	Anl By: CAH	
Aroclor 1016	< 50	50	1	ug/Kg wet		11/06/07 8:10 AM	SW846 3540C	SW846 8082
Aroclor 1221	< 50	50	1	ug/Kg wet		11/06/07 8:10 AM	SW846 3540C	SW846 8082
Aroclor 1232	< 50	50	1	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	SW846 3540C	SW846 8082
Aroclor 1254	< 50	50	1	ug/Kg wet		11/06/07 8:10 AM	SW846 3540C	SW846 8082
Aroclor 1260	< 50	50	1	ug/Kg wet		11/06/07 8:10 AM	SW846 3540C	SW846 8082
Total PCBs	< 50	50	1	ug/Kg wet		11/06/07 8:10 AM	SW846 3540C	SW846 8082

Surrogate	LCL UCL							
Tetrachloro-m-xylene	84	40	136	1	%	11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	94	47	145	1	%	11/06/07	SW846 3540C	SW846 8082

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	Anl Method
Percent Lipids	1.42	--	1	%		10/31/07	Pace Lipid	Pace Lipid
						Prep Date/Time: 10/31/07	Anl By: nbie	

PCB

Prep Date/Time: 10/30/07 9:29 AM Anl 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
Aroclor 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 UCL

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

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
Lab Sample Number : 890029-012

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Lipids	1.68	--	1	%		10/31/07	Pace Lipid	Pace Lipid
Prep Date/Time: 10/31/07							Anl By: nbie	

PCB

Analyte	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Prep Date/Time: 10/30/07 9:29 AM							Anl By: CAH	
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 UCL

Tetrachloro-m-xylene	96	40	136	1	%	11/06/07	SW846 3540C	SW846 8082
Decachlorobiphenyl	99	47	145	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 3540C
- B. **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.
 - 2. **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.
- I. **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: Kate E. Grams Date: 11/14/07
Name: Kate E. Grams Position: Quality Assurance Auditor

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹					Noncompliance
					VOC	SVOC	PCB	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	--	--	Yes	--	--	
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	--	--	Yes	--	--	
890029	10/22/2007	SW-846 8082	CC-SR-02	Biota	--	--	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	--	--	

1 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.

