QUARTERLY DATA SUMMARY REPORT

NIAGARA COUNTY REFUSE DISTRICT SITE

Wheatfield, Niagara County, New York **(NYSDEC Site No. 9-32-026)**

SUBMITTED TO:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NEW YORK STATE DEPARMENT OF ENVIRONMENTAL CONSERVATION

SUBMITTED BY:

Niagara County Refuse District and PRP Group

PREPARED BY:

PARSONS
40 LaRiviere Drive, Suite 350
Buffalo, New York 14202
(716) 541-0730 Fax (716) 541-0760

April 2008

PARSONS

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APRIL 2008

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SECTION 1

INTRODUCTION

The Niagara County Refuse Site Potentially Responsible Parties (PRP) Group completed a remedial action at the Niagara County Refuse Site (Site), Wheatfield, New York in 2000. The remedial action was conducted in accordance with the United States Environmental Protection Agency (USEPA) Record of Decision (USEPA, 1993) and the United States District Court Consent Decree (USEPA, 1995). The PRP Group is currently conducting operations, maintenance, and monitoring (OM&M) in accordance with the USEPA-approved OM&M Manual (CRA, 2000). This data report summarizes monitoring activities from January through March 2008.

1.1 PROCEDURES

1.1.1 Effluent Sampling Procedure

A revised Industrial Wastewater Discharge Permit (Appendix A) was issued by the City of North Tonawanda, and is effective from February 28, 2007 through April 1, 2010. The revised permit has a reduced analytical parameter list compared to the original permit, and a semi-annual sampling frequency. Prior to the revised permit, samples were collected monthly. In March 2008, an effluent sample was collected from Wet Well A, which receives water from the leachate collection system surrounding the landfill. Composite 24-hour samples are collected from Wet Well A using an automated sampler. The next effluent sample is scheduled to be collected in September 2008.

1.1.2 Groundwater Sampling Procedure

Based on the OM&M Manual (CRA, 2000), groundwater sample collection was completed quarterly from the four monitoring wells at the Site for the first two years after passive collection system (PCS) startup. The four wells are screened in the shallow overburden materials. Groundwater sampling on a quarterly schedule was completed in 2002, two years post-PCS startup. In accordance with the OM&M Manual, three years of semi-annual groundwater sampling were completed by 2005, five years after PCS startup.

A request was submitted to the USEPA and NYSDEC in 2005 to reduce the analytical parameters in each of the groundwater samples collected. The request proposed reducing groundwater laboratory analysis to five metals that have historically been identified as exceeding standards in the shallow groundwater at the Site. The elimination of analysis for VOCs and SVOCs was also proposed. The USEPA agreed, after discussions with the NYSDEC and input from NYSDOH, to reduce the collection of volatile and semi-volatiles to every two years beginning in 2006 (every other groundwater sampling event). The USEPA requested that all inorganics continue to be analyzed for each groundwater sampling round. The basis for this decision was stated to be the significant residential growth around the Site in recent years.

The first year of sampling groundwater on an annual schedule was begun in 2006. No groundwater samples were collected in 2007 due to low water level conditions. The USEPA agreed that the groundwater sampling covering the 2007 annual period should be completed once adequate water levels were present in the wells (see Appendix B). Samples covering the 2007 monitoring period were collected in January 2008, after groundwater levels recovered sufficiently. Samples were collected from wells NCR-3S, NCR-4S, NCR-5S, and NCR-13S. Annual groundwater sampling is scheduled to continue for an undetermined time period, assuming that water level conditions permit collection of groundwater samples.

Each groundwater monitoring well was purged prior to sample collection by pumping five volumes of groundwater from the well using a dedicated bladder pump. Physical parameters including pH, temperature, conductivity, and turbidity of the purge water were periodically measured and recorded. In the event that a well could not supply enough water to complete the purging of five well volumes, the well was pumped dry prior to sampling, and allowed to recover before sampling. All purge water was placed in an onsite wet-well.

Groundwater sampling was begun immediately at the completion of purging. A dedicated bladder pump was used to collect the groundwater samples. The discharge rate was first adjusted to approximately 100 milliliters per minute. The sample was then collected directly into the sample containers.

Groundwater samples were collected and analyzed for:

- Selected volatile organic compounds (VOCs) using EPA method 624 and method SW-8260;
- Selected semi-volatile organic compounds (SVOCs) using EPA method 625 and method SW-8270;
- Mercury using EPA method 245.1 and method SW-7470; and
- Inorganics using EPA method 200.7 and method SW-6010.

The groundwater samples were analyzed by TestAmerica Laboratories of Amherst, New York. A chain-of-custody (COC) accompanied the sample bottles from the laboratory, to the field, and back to the laboratory.

As noted in previous reports, due to slow recovery times and low water levels in the wells to be sampled after purging, collection of the required groundwater volume for all groundwater and quality assurance samples is often not possible. During the January 2008 sampling event, the duplicate sample was limited to VOCs only because of low groundwater volume.

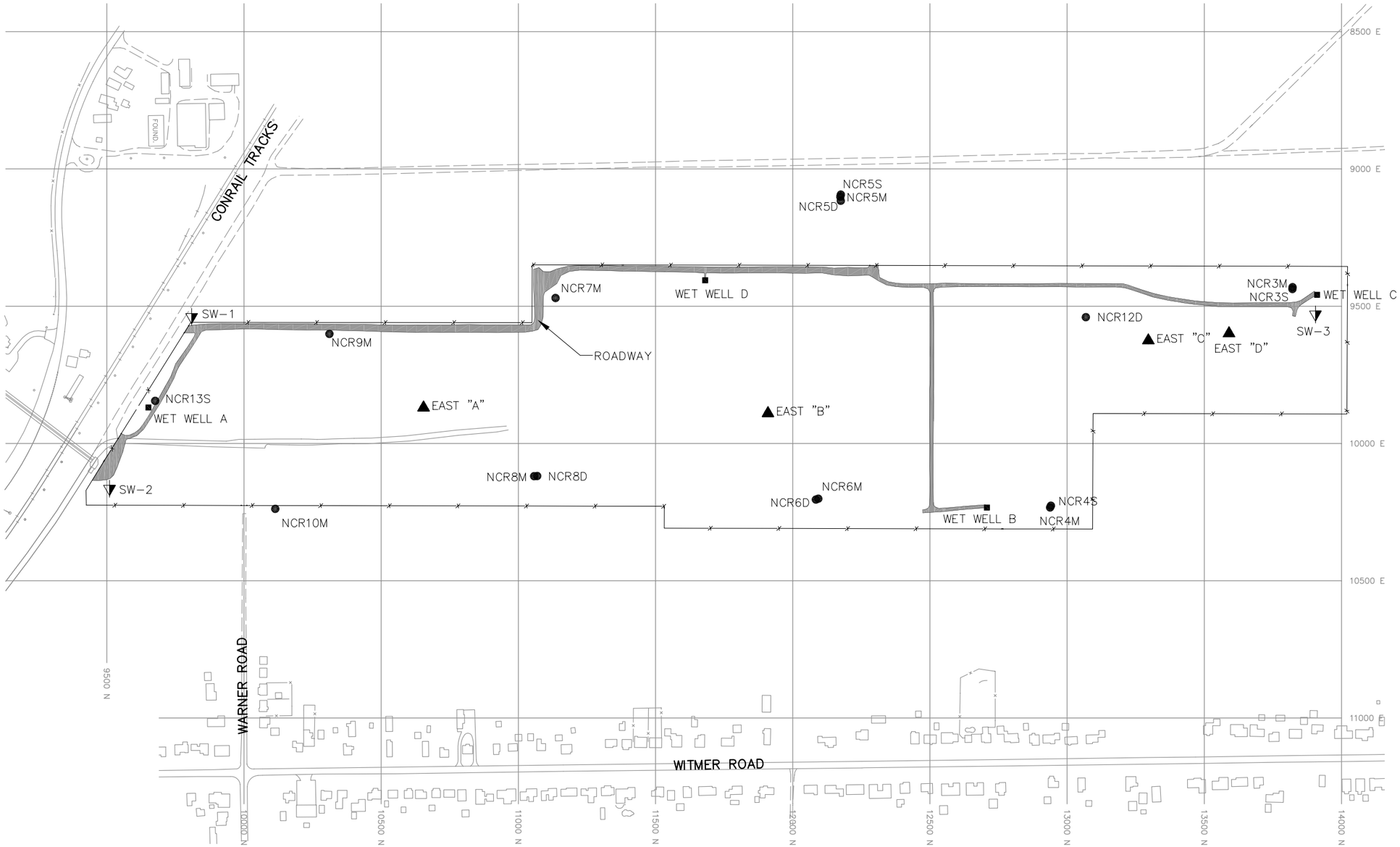
1.1.3 Water Levels

Water levels were measured during monthly Site inspections in January, February, and March 2008. Water levels were measured from four observation well locations (piezometers East A, East B, East C, and East D), four effluent monitoring locations (wet wells A, B, C, and D), and four monitoring well locations (NCR-3S, NCR-4S, NCR-5S, and NCR-13S).

The water levels were measured with an electronic water level indicator, and reported as an elevation above mean sea level. Figure 1.1 shows the locations of the water level monitoring points.

1.1.4 Site Inspections

Monthly Site inspections were conducted on January 4, February 8, and March 7, 2008. During the Site inspections, the manholes, wet wells, landfill cap, wetlands, perimeter fence, drainage ditches, swale outlets, culverts, gas vents, and monitoring wells were each visually inspected.



LEGEND

▲EAST "A"	WATER LEVEL MONITORING WELL LOCATION
▽SW-2	SURFACE WATER MONITORING LOCATION
■WET WELL A	EFFLUENT MONITORING LOCATION
●NCR13S	GROUNDWATER QUALITY MONITORING LOCATION

400 200 0 400 800

SCALE: 1"=400'

FIGURE 1.1

NIAGARA COUNTY REFUSE SITE
WHEATFIELD, NEW YORK
SITE PLAN

PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104, WILLIAMSVILLE, N.Y. 14221, PHONE: 716-633-7074

P:\738641-NCRfs\cad\38641C001.dwg, 02/27/04 at 07:27, MAB, 1=1
No XREFs

SECTION 2

RESULTS

This section describes the results of OM&M activities conducted from January through March 2008. Activities during this quarter included effluent sampling, groundwater sampling, data validation, water level measurements, maintenance work, and Site inspections.

2.1 EFFLUENT SAMPLES

One effluent sample was collected during the reporting period (March 7, 2008). The effluent sample was collected by O&M Enterprises, and analyzed by the City of North Tonawanda. The analytical results from effluent samples are used by the City to confirm that the effluent received from the Site meet the criteria for acceptance by the City treatment system. These data are not presented in the quarterly monitoring reports, but will be summarized in the 2008 annual monitoring report. The revised City of North Tonawanda Industrial Wastewater Discharge Permit (February 31, 2007 through April 1, 2010) has been included in Appendix A. As can be seen in the revised permit, the analytical parameters and the sampling frequency have been reduced from the original permit.

2.2 GROUNDWATER ANALYTICAL RESULTS

Analytical results for the sampling event during this reporting period are summarized in Table 2.1. The results were compared to NYSDEC ambient water quality standards (AWQS), NYSDOH maximum contaminant levels (MCLs), and USEPA MCLs (see Table 2.1). Groundwater sample analytes are currently scheduled to include inorganics parameters (metals) annually, and volatile organic and semivolatile organic parameters every two years (see Appendix B).

The analytical results received from the laboratories are presented in Appendix C, along with the chain-of-custody (COC) form. A Sample Collection Data Sheet, which includes required and actual purge volumes, sample date, time, description, required analyses, and the COC number for each well, is included in Appendix C. This sheet also indicates which well was used to collect the matrix spike (MS) and the matrix spike duplicate (MSD). Well purging information, including pH, conductivity, turbidity, odor, comments, and well volumes, is also provided in Appendix C. The data validation package is presented in Appendix D.

January 2008 Event

This sampling event was originally planned for the fall of 2007. Due to water levels that were inadequate for the collection of groundwater samples during the fall of 2007, this sampling event was completed in January of 2008, in agreement with the USEPA (see

Appendix B). The data was not presented in the 2007 Annual Report due to the timing of sample collection and analysis, and is therefore included in this report.

Monitoring wells NCR-3S, NCR-4S, NCR-5S, and NCR-13S were sampled on January 11, 2008. The locations of the monitoring wells are provided in Figure 1.1. The data validation report is presented in Appendix D.

Two VOCs were detected but neither exceeded comparison standards. Acetone was identified in the trip blank (1.8 ug/L) but was below the analytical detection limits in the four samples collected from the wells. Toluene was found in the sample from NCR-13S (0.54 ug/L) and was below the analytical detection limits in the other three wells. No SVOCs were identified above the analytical detection limits.

Twelve metals were identified in one or more of the groundwater samples. Typically, an average of approximately thirteen metals are detected. Detected values were similar to ranges observed in previous sampling events.

- Aluminum was found exceeding the NYSDEC AWQS in three of the four samples.
- Copper was identified exceeding the NYSDEC AWQS in two samples and below the analytical detection limits in the other two samples.
- Magnesium was identified in each of the four samples and exceeded the AWQS guidance value (not a standard) in two of the samples.
- Manganese was identified in the four samples and exceeded the NYSDEC AWQS and NYSDOH MCL in one sample.
- Iron was identified exceeding the NYSDEC AWQS and NYSDOH MCL in each of the samples.
- Sodium was found above the NYSDEC AWQS and the NYSDOH MCL in three of the samples.

The Record of Decision (ROD) (USEPA, 1993) identifies iron and sodium as typically exceeding MCLs in the regional groundwater.

Groundwater analytical results were validated and reviewed by Parsons for usability (see Appendix D for the complete report). The laboratory data packages were found to be of good overall quality. Groundwater samples were collected, properly preserved, shipped under a COC record, and received at the laboratory within one day of sampling. VOC sample results did not require qualification resulting from data validation with the exception of acetone, due to its detection in the trip blank. Reported VOC analytical results were 100% complete and useable. SVOC sample results did not require qualification resulting from data validation. Reported SVOC analytical results were 100% complete and usable. Certain

metals results were considered estimated due to noncompliant matrix spike (MS) and serial dilutions. The metals results were 100% complete and usable.

2.3 WATER LEVELS

Results of water level measurements collected during this reporting period are presented in Appendix G. Water levels were collected from the monitoring locations on a monthly basis. Water levels in the monitoring wells increased between January and February, and decreased between February and March. Measured water levels were consistent with levels observed in previous years between January and March.

2.4 SITE INSPECTIONS

A summary of the Site inspection findings is included in Table 2.2. Copies of the Site Inspection Logs have been included in Appendix E.

Each of the inspections found the manholes and wet wells to be in good condition. Water levels were measured in the wet wells during the inspections.

Examination of the landfill cap vegetative cover included checking for erosion, bare areas, washouts, leachate seeps, height of vegetation, and assessing the condition of the vegetation. No surface erosion, bare spots, or leachate seeps were noted. The grass covering the landfill was snow-covered during each of the inspections in this reporting period.

Additionally, during the examination of the landfill cap, the access roads were examined for erosion, potholes/puddles, and obstructions. All aspects of the access roads that were examined were deemed acceptable. Access roads were covered in snow during each of the inspections in this reporting period.

The wetlands were visually examined to assess the condition of the vegetation, change in water levels, and to observe general conditions. Wetland vegetation was noted to be in typical winter condition during the Site inspections. A lower than normal water level was noted in the wetland area during January and higher than normal water level in February. The water level was noted to be normal during the March inspection.

All other parts of the landfill system which were examined, including the drainage ditches, swale outlets, culverts, and gas vents, were found to be in acceptable condition during the reporting period.

2.5 MAINTENANCE

Scheduled maintenance during this reporting period included the replacement of the pump in wet well D. This item was completed on March 31, 2008. Occasional unscheduled maintenance at the landfill is required. During this reporting period, stuck float switches were repaired in wet well D. This activity was completed on March 10, 2008. Copies of the maintenance record logs have been included in Appendix F.

2.6 OM&M OVERSIGHT

Parsons' Quality Assurance (QA) work included periodic oversight of OM&M activities conducted by O&M Enterprises, Inc., review of monthly inspection and monitoring data, and periodic communications with O&M Enterprises. Upon completion of work performed by O&M Enterprises, routine activity report forms were completed. Parsons reviewed the report forms for completeness, and recorded problems, if any, on the forms (Appendices E, F, and G).

Table 2.1
Detected Analytes in Groundwater Samples
Niagara County refuse Site
Wheatfield, Niagara County, New York

City of North Tonawanda WWTP 830 River Road North Tonawanda, NY C/O Niagara County Refuse Site Validated Groundwater January 2008		NYS DEC AWQS*	NYS DOH MCL	US EPA MCL	Sample ID: Lab Id: Source: SDG: Matrix: Sampled: Validated:	NCR-3S A8041502 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-4S A8041503 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-5S A8041504 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-13S A8041501 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	TRIP BLANK A8041506 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	Dup of NCR-3S FIELD DUP #1 A8041505 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008
CAS NO.	COMPOUND				UNITS:						
	VOLATILES										
67-64-1	Acetone	50	50	-	ug/L	25 U	25 U	25 U	25 U	1.8 J	25 U
108-88-3	Toluene	5	5	100	ug/L	5 U	5 U	5 U	0.54 J	5 U	5 U
	METALS										
7429-90-5	Aluminum	100	-	-	ug/L	200 U	2820 J	910	254		
7440-39-3	Barium	1000	2000	2000	ug/L	39.7	61.9	66.9	49		
7440-70-2	Calcium	-	-	-	ug/L	146000	103000	58100	126000		
7440-47-3	Chromium	50	100	100	ug/L	4 U	5.2	8	9.9		
7440-50-8	Copper	5	-	-	ug/L	10 U	11.8	10 U	13		
7439-89-6	Iron	300[>]	300[>]	-	ug/L	**1210**	**9820**	**841**	**611**		
7439-95-4	Magnesium	35000[+]	-	-	ug/L	82300	32100	44900	33000		
7439-96-5	Manganese	300[>]	300[>]	-	ug/L	**342**	39	21.7	11.3		
7440-02-0	Nickel	100	-	-	ug/L	10 U	10 U	10.4	10 U		
7440-09-7	Potassium	-	-	-	ug/L	2110	20100	1110	4300		
7440-23-5	Sodium	20000	20000	-	ug/L	13200 J	**34600 J**	**27400 J**	**32600 J**		
7440-66-6	Zinc	2000[+]	5000	-	ug/L	47.6	299	30.6	21.6		

* = NYSDEC Ambient Water Quality Standards.

[+] = Guidance value. U = Analyte not identified above analytical detection limits.

[>] = Sum of iron and manganese should not exceed 500 ug/L NYSDEC or 300 ug/L NYSDOH.

J = Estimated value. - = No standard identified.

Boxed values exceed NYSDEC ambient water quality standrads.

Bold values exceed NYSDOH maximum contaminant levels.

Shaded value exceeds USEPA maximum contaminant level.

Table 2.2 Monthly Site Inspection Results

Inspection Item	Acceptable	Not Acceptable	Comments
Manholes	X		
Wet Wells	X		Water levels were measured monthly.
Wetlands	X		A slightly higher than normal water level was noted during the February inspection. A slightly lower water level was noted during the January inspection. The March inspection identified the water level as normal. Normal vegetation winter kill, expected for the time of year, was observed during each of the inspections.
Perimeter Fence	X		No holes or damage identified during the inspections.
Condition of Roads	X		No erosion or other problems were observed. Covered in snow during each of the inspections.
Integrity of the Cap	X		No erosion was observed. Snow covered during each of the inspections.
Drainage Ditches/Swales	X		
Gas Venting System	X		
Wells	X		Water levels were measured monthly.
Culverts	X		
Other	X		

SECTION 3

CONCLUSIONS

The following conclusions were developed based on the data collected during this reporting period:

- The landfill was inspected monthly and is appropriately maintained.
- As specified in the OM&M Manual, annual groundwater monitoring commenced in 2006. Groundwater samples are currently scheduled to be collected in November 2008, assuming adequate groundwater is available in the wells.
- Water levels were measured in the wet wells, monitoring wells, and the observation wells on the landfill on a monthly basis. Water levels in the monitoring wells increased between January and February and decreased between February and March. Measured water levels were consistent with levels observed in previous years between January and March.
- Wetlands vegetation appeared to be in typical winter condition, based on monthly visual assessments.

SECTION 4
REFERENCES

1. USEPA, 1993, Record of Decision, Niagara County Refuse Site, Wheatfield, Niagara County, New York; United States Environmental Protection Agency, September 1993.

2. USA, 1995, Consent Decree, Docket 946-849; United States Environmental Protection Agency, February 3, 1995.

3. CRA, 2000, Operations, Maintenance and Monitoring Manual for Niagara County Refuse District Site Remedial Construction, Wheatfield, Niagara County, New York; Conestoga-Rovers & Associates, December 2000.

APPENDIX A
CITY OF NORTH TONAWANDA INDUSTRIAL WASTEWATER DISCHARGE PERMIT

CITY OF NORTH TONAWANDA
4/5/95
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

Permit Number: 2628010

In accordance with the provisions of the Clean Water Act as amended, all terms and conditions set forth in this permit, the City of North Tonawanda Local Sewer Use Ordinance and any applicable Federal, State or local laws or regulations, authorization is hereby granted to: Niagara County Department of Public Works

Engineering Department
59 Park Avenue
Lockport, New York 14094

Classified by S.I.C. Number(s): _N/A_
for the discharge of: groundwater and other wastes generated during Remedial Action construction and implementation into the City of North Tonawanda Sewerage System.

This permit is granted in accordance with an application filed in the offices of the Treatment Plant Superintendent located at 830 River Road, and in conformity with specifications and other required data submitted in support of the above named application, all of which are filed with and considered part of this permit. This permit is also granted in accordance with discharge limitations and requirements, monitoring and reporting requirements, and all other conditions set forth in Parts I and II hereof.

Effective this 31st day of February, 2007

To expire the 1st day of April, 2010

Paul Joseph Prof

Treatment Plant Superintendent
Signed this 31st day of January, 2007

PERMIT NUMBER: 2628010

PART I. SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) shall be limited and monitored by the permittee as specified below (Refer to attached map for sampling and monitoring sites).

Sample Point	Parameter	Discharge Limitations mg/l except pH Daily Max.	Sampling Period	Sampling Type
001	Total Flow		1 Sampling Day Monthly	continuous
2/	Aluminum	2.0	1 Sample Day semi-annual	24 hr comp.
	Lead	4.6	1 Sampling Day semi-annual	24 hr comp.
	Iron	10	1 Sampling Day semi-annual	24 hr comp.
2/	Magnesium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Sodium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	pH	Monitor Only	1 Sampling Day semi-annual	grab
2/	BOD	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Total Suspended Solids	Monitor Only	1 Sampling Day semi-annual	24 hr comp.

PERMIT NUMBER: 2628010

PART I. SPECIFIC CONDITIONS

B. DISCHARGE REPORTING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported by the permittee on the no later than the days specified below.

Sample Point	Parameter	Initial Monitoring Report	Subsequent Monitoring Reports
001	Total Flow	January 31, 2007	semi-annual
	Lead	January 31, 2007	semi-annual
	Iron	January 31, 2007	semi-annual
	Magnesium	January 31, 2007	semi-annual
	Sodium	January 31, 2007	semi-annual
	pH	January 31, 2007	semi-annual
	BOD	January 31, 2007	semi-annual
	Total Suspended	January 31, 2007	semi-annual

PART I. SPECIFIC CONDITIONS

C. SPECIAL REQUIREMENTS

1) This permit is written for a duration of three years. Upon renewal of this permit, all parameters will be re-evaluated to develop a parameter list based on chemical concentrations present in the extracted groundwater.

2) Frequency of monitoring is to be re-evaluated yearly..

3) All monitoring reports (initial and subsequent), are to be received by the Superintendent, no later than thirty (30) days after receipt of validated data.

4) It is required that the Permittee have a Site Operations Manual available at all times. All emergency phone numbers must be listed in an appropriate place for easy access by operations personnel. The permittee shall not discharge to the City of North Tonawanda sewerage treatment works during overflow conditions. The permittee is required to cease all pumping operations upon verbal request of the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns. Pumping operations shall not recommence until approved by the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns.

5) Analysts are required to use GC/MS method detection limits for most organics (if GC/MS is appropriate); GC/ECD for PCBS/Pesticides and GF method detection limits for metals (where GF is appropriate), as contained in attachment 5 of the NYSDEC TOGs 1.3.8 - New Discharges to Publicly Owned Treatment Works - dated 10/26/94.

APPENDIX B
CORRESPONDENCE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

NOV 21 2005

BY FEDEX

Mr. Eric Felter
Project Manager
Parsons
180 Lawrence Bell Drive, Suite 104
Williamsville, New York 14221

Re: Niagara County Refuse Site, Wheatfield, New York; Request for the Reduction of Analytical Parameters in Groundwater Samples

Dear Mr. Felter:

The U.S. Environmental Protection Agency (EPA) and New York State Department of Environmental Conservation (NYSDEC) have reviewed your letter dated October 3, 2005 prepared by Parsons on behalf of the Niagara County Refuse (NCR) Site PRP Group requesting a reduction in the analytical parameters in groundwater samples taken at the NCR site as part of the operation and maintenance program. The current analytical parameter list includes 2 volatiles, 4 semi-volatiles, and 16 metals which were determined to be constituents of interest at the site. Your proposal requests reducing the parameters to 5 metals, representing those constituents which have been measured above standards with some regularity in past sampling rounds. The sampling program, involving four monitoring wells, has been in effect since 2001 and your proposal reflects trends evident since the program was initiated. Sampling frequency is currently semi-annual (twice a year).

After discussing this matter with NYSDEC with input from the New York State Department of Health, our preference is that the sampling parameters remain the same for the time being. This is due to the significant residential growth around the site in recent years. After the current sampling round, samples are scheduled to be taken annually. EPA approves changing the current monitoring program only to the extent that the volatiles and semi-volatiles analysis can be conducted every two years while the metals analysis be conducted annually. EPA will, however, consider a further frequency reduction in the future as more data are collected.

Please call me at (212) 637-4278 if you have any questions on this matter.

Sincerely yours,

Michael J. Negrelli
Remedial Project Manager
New York Remediation Branch

cc: J. Konsella - NYSDEC/Region 9
B. Sadowski - NYSDEC/Region 9

From: Negrelli.Mike@epamail.epa.gov
To: Felter, Eric;
cc: barberwb@bp.com; Raybuck, Mark; richard.pope@Niagaracounty.com; jakonsel@gw.dec.state.ny.us; bpsadows@gw.dec.state.ny.us;
Subject: Re: NCR Annual GW Sampling
Date: Tuesday, December 11, 2007 9:25:21 AM

Thanks Eric. I will place this email in the file for the record. I agree that we need to wait for there to be enough water in the wells to collect a sample. Keep me posted.

"Felter, Eric" <Eric.Felter@parsons.com>
12/10/2007 09:43 AM

To: Mike Negrelli/R2/USEPA/US@EPA
cc: "Raybuck, Mark" <Mark.Raybuck@parsons.com>, <richard.pope@Niagaracounty.com>, <barberwb@bp.com>
Subject: NCR Annual GW Sampling

Mike,
I wanted to provide you with an update on the status of the annual groundwater sampling at the Niagara County Refuse site. The 2007 annual groundwater sampling has yet to be completed due to a lack of water in the monitoring wells. As of two weeks ago, two of the wells had a few inches of water and two wells had approximately one inch of water. While this is better than previous months, this would have limited sample collection to two wells or less. O&M Enterprises, Inc. plans to check the water levels weekly and evaluate the possibility of sampling during the next few weeks. The annual groundwater sampling may need to be

delayed to the spring of 2008.

Please feel free to call or email if you have any questions or comments.

Regards,
Eric

Eric A. Felter, P.G.
Principal Geologist
Parsons
40 La Riviere Drive, Ste 350
Buffalo, NY 14202
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Phone office: (716) 541-0730
Fax: (716) 541-0760
Email: Eric.Felter@parsons.com

SAFETY - MAKE IT PERSONAL

APPENDIX C
ANALYTICAL DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-0415

Project#: NY1A8791
Site Name: City of North Tonawanda
Task: Niagara County Refuse Site

Paul Drof
City of North Tonawanda
830 River Road
North Tonawanda, NY 14120

CC: Eric Felzer

TestAmerica Laboratories Inc.

Amy Lynn Haag
Project Manager

01/31/2008

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
THE LEADER IN ENVIRONMENTAL TESTING

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*	Registration, 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

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8041505	FIELD DUP #1	GW	01/11/2008		01/11/2008	14:35
A8041501	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041501MS	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041501SD	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041502	NCR 3S	GW	01/11/2008	12:50	01/11/2008	14:35
A8041503	NCR 4S	GW	01/11/2008	11:40	01/11/2008	14:35
A8041504	NCR 5S	GW	01/11/2008	13:45	01/11/2008	14:35
A8041506	TRIP BLANK	GW	01/11/2008		01/11/2008	14:35

METHODS SUMMARY

Job#: A08-0415

Project#: NY1A8791
Site Name: City of North Tonawanda

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - SELECT VOLATILE ORGANICS	SW8463 8260
8270 - SELECT SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

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.

SDG NARRATIVE

Job#: A08-0415

Project#: NY1A8791
Site Name: City of North Tonawanda

General Comments

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

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

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

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

Sample Receipt Comments

A08-0415
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Initial calibration standard curve A8I0000042 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for multiple compounds. However, the overall mean RSD of all compounds is 7.24%.

For method 8260, all samples were preserved to a pH less than 2.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A8I0000023-1 and A8I0000025.

The analytes 3-Methylphenol and 4-Methylphenol coelute and can not be analytically separated. The reported concentrations for these analytes are therefore a total number and reported as 4-Methylphenol, rather than individual quantitated values.

Metals Data

The recovery of sample NCR 4S Matrix Spike exhibited a result below the quality control limits for Sodium. Sample matrix is suspect. However, the LFB was acceptable.

The Serial Dilution of sample NCR 4S exceeded the quality control limits for Aluminum. However, the Post Spike of this sample was compliant. Therefore, no corrective action was necessary.

"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."

Amy Haag

Amy Lynn Haag
Project Manager

1/31/08.

Date

Date: 01/31/2008 Requested Reporting Limits < Lab PQL Page: 1
Time: 11:43:34 Rept: AN1520

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

Method	Parameter	Unit	Client RL	Lab PQL
8260	Benzene	UG/L	0.70	1.0

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
FIELD DUP #1	A8041505	SW8463	-	-	-	-	-	-
NCR 13S	A8041501	SW8463	SW8463	-	-	SW8463	-	-
NCR 3S	A8041502	SW8463	SW8463	-	-	SW8463	-	-
NCR 4S	A8041503	SW8463	SW8463	-	-	SW8463	-	-
NCR 5S	A8041504	SW8463	SW8463	-	-	SW8463	-	-

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
FIELD DUP #1	GW	01/11/2008	01/11/2008	-	01/18/2008
NCR 13S	GW	01/11/2008	01/11/2008	-	01/18/2008
NCR 3S	GW	01/11/2008	01/11/2008	-	01/18/2008
NCR 4S	GW	01/11/2008	01/11/2008	-	01/18/2008
NCR 5S	GW	01/11/2008	01/11/2008	-	01/18/2008

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
NCR 13S	GW	01/11/2008	01/11/2008	01/17/2008	01/18/2008
NCR 3S	GW	01/11/2008	01/11/2008	01/17/2008	01/18/2008
NCR 4S	GW	01/11/2008	01/11/2008	01/17/2008	01/18/2008
NCR 5S	GW	01/11/2008	01/11/2008	01/17/2008	01/18/2008

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
NCR 13S	GW	t-metals	01/11/2008	01/14,16/2008	01/14,16/2008
NCR 3S	GW	t-metals	01/11/2008	01/14,16/2008	01/14,16/2008
NCR 4S	GW	t-metals	01/11/2008	01/14,16/2008	01/14,16/2008
NCR 5S	GW	t-metals	01/11/2008	01/14,16/2008	01/14,16/2008

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
FIELD DUP #1	GW	SW8463	-	AS REQUIRED	AS REQUIRED
NCR 13S	GW	SW8463	SEPF	AS REQUIRED	AS REQUIRED
NCR 3S	GW	SW8463	SEPF	AS REQUIRED	AS REQUIRED
NCR 4S	GW	SW8463	SEPF	AS REQUIRED	AS REQUIRED
NCR 5S	GW	SW8463	SEPF	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
NCR 13S	GW	SW8463	SW8463	AS REQUIRED	AS REQUIRED
NCR 3S	GW	SW8463	SW8463	AS REQUIRED	AS REQUIRED
NCR 4S	GW	SW8463	SW8463	AS REQUIRED	AS REQUIRED
NCR 5S	GW	SW8463	SW8463	AS REQUIRED	AS REQUIRED

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FIELD DUP #1

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6622.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.6	J
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

NCR 138

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6616.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	0.54	J
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: NCR 3S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6619.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.9	J
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

NCR 4S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6620.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.6	J
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: NCR 5S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6621.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.1	J
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6623.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.8	J
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

8270 - SELECT SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.: NCR 13S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041501

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: V26486.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/17/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/18/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
108-95-2	Phenol	5	U
95-48-7	2-Methylphenol	5	U
108-39-4	3-Methylphenol	9	U
106-44-5	4-Methylphenol	5	U

8270 - SELECT SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

NCR 3S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041502

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: V26489.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/17/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/18/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
108-95-2	Phenol	5	U
95-48-7	2-Methylphenol	5	U
108-39-4	3-Methylphenol	9	U
106-44-5	4-Methylphenol	5	U

8270 - SELECT SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: NCR 4S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041503

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: V26490.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/17/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/18/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
108-95-2	Phenol	5	U
95-48-7	2-Methylphenol	5	U
108-39-4	3-Methylphenol	9	U
106-44-5	4-Methylphenol	5	U

8270 - SELECT SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: NCR 5S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8041504

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: V26491.RR

Level: (low/med) LOW Date Samp/Recv: 01/11/2008 01/11/2008

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/17/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/18/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
108-95-2	Phenol	5	U
95-48-7	2-Methylphenol	5	U
108-39-4	3-Methylphenol	9	U
106-44-5	4-Methylphenol	5	U

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: North Tonawanda Water Works **SDG No.:** A08-0415 **Method Type:**

Sample ID: A8041501 **Client ID:** NCR 13S

Matrix: WATER **Date Received:** 1/11/2008 **Date Collected:** 1/11/2008 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A8B08792 **Prep Date:** 1/16/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**254**	**ug/L**		**E**	**200**	200	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Barium		**49.0**	**ug/L**			**2.0**	2.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Calcium		**126000**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Chromium		**9.9**	**ug/L**			**4.0**	4.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Copper		**13.0**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Iron		**611**	**ug/L**			**50.0**	50.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Magnesium		**33000**	**ug/L**			**200**	200	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Manganese		**11.3**	**ug/L**			**3.0**	3.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Potassium		**4300**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	1/14/2008	13:39:19	LEEMAN PS2	G01148W1	CV
Sodium		**32600**	**ug/L**		**N**	**1000**	1000	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:25	SUPERTRACE	1011608	P
Zinc		**21.6**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**17:25**	SUPERTRACE	1011608	P

Comments:

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: North Tonawanda Water Works **SDG No.:** A08-0415 **Method Type:**

Sample ID: A8041502 **Client ID:** NCR 3S

Matrix: WATER **Date Received:** 1/11/2008 **Date Collected:** 1/11/2008 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A8B08792 **Prep Date:** 1/16/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum	<	200	ug/L	U	E	200	200	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Barium		**39.7**	**ug/L**			**2.0**	2.0	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Calcium		**146000**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Chromium	<	4.0	ug/L	U		4.0	4.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Iron		**1210**	**ug/L**			**50.0**	50.0	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Magnesium		**82300**	**ug/L**			**200**	200	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Manganese		**342**	**ug/L**			**3.0**	3.0	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Potassium		**2110**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	1/14/2008	13:40:35	LEEMAN PS2	G01148W1	CV
Sodium		**13200**	**ug/L**		N	**1000**	1000	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:30	SUPERTRACE	1011608	P
Zinc		**47.6**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**17:30**	SUPERTRACE	1011608	P

Comments:

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

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INORGANIC ANALYSIS DATA PACKAGE

Client: North Tonawanda Water Works **SDG No.:** A08-0415 **Method Type:**

Sample ID: A8041503 **Client ID:** NCR 4S

Matrix: WATER **Date Received:** 1/11/2008 **Date Collected:** 1/11/2008 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A8B08792 **Prep Date:** 1/16/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**2820**	**ug/L**		**E**	**200**	200	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Barium		**61.9**	**ug/L**			**2.0**	2.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Calcium		**103000**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Chromium		**5.2**	**ug/L**			**4.0**	4.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Copper		**11.8**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Iron		**9820**	**ug/L**			**50.0**	50.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Magnesium		**32100**	**ug/L**			**200**	200	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Manganese		**39.0**	**ug/L**			**3.0**	3.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Potassium		**20100**	**ug/L**			**500**	500	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	1/14/2008	13:41:54	LEEMAN PS2	G01148W1	CV
Sodium		**34600**	**ug/L**		**N**	**1000**	1000	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	17:35	SUPERTRACE	1011608	P
Zinc		**299**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**17:35**	SUPERTRACE	1011608	P

Comments:

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: North Tonawanda Water Works **SDG No.:** A08-0415 **Method Type:**

Sample ID: A8041504 **Client ID:** NCR 5S

Matrix: WATER **Date Received:** 1/11/2008 **Date Collected:** 1/11/2008 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A8B08792 **Prep Date:** 1/16/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**910**	**ug/L**		**E**	**200**	200	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Barium		**66.9**	**ug/L**			**2.0**	2.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Calcium		**58100**	**ug/L**			**500**	500	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Chromium		**8.0**	**ug/L**			**4.0**	4.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Iron		**841**	**ug/L**			**50.0**	50.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Magnesium		**44900**	**ug/L**			**200**	200	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Manganese		**21.7**	**ug/L**			**3.0**	3.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Nickel		**10.4**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Potassium		**1110**	**ug/L**			**500**	500	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	1/14/2008	13:43:51	LEEMAN PS2	G01148W1	CV
Silver	<	3.0	ug/L	U		3.0	3.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Sodium		**27400**	**ug/L**		N	**1000**	1000	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	1/16/2008	18:12	SUPERTRACE	1011608	P
Zinc		**30.6**	**ug/L**			**10.0**	10.0	**1**	**1/16/2008**	**18:12**	SUPERTRACE	1011608	P

Comments:

METHOD 8260 - SELECT VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FIELD DUP #1	A8041505	89		86		91							0
2	MSB42	A8B0913801	91		87		93							0
3	NCR 13S	A8041501	90		83		93							0
4	NCR 13S	A8041501MS	90		82		93							0
5	NCR 13S	A8041501SD	90		83		92							0
6	NCR 3S	A8041502	89		85		93							0
7	NCR 4S	A8041503	89		85		90							0
8	NCR 5S	A8041504	89		86		93							0
9	TRIP BLANK	A8041506	88		87		93							0
10	VBLK42	A8B0913802	91		86		94							0

QC LIMITS

BFB = p-Bromofluorobenzene (73-120)
DCE = 1,2-Dichloroethane-D4 (66-137)
TOL = Toluene-D8 (71-126)

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

8270 - SELECT SEMI-VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

	Client Sample ID	Lab Sample ID	2FP %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#			TOT OUT
1	NCR 13S	A8041501	48		94		94		34		77		87				0
2	NCR 13S	A8041501MS	35		78		71		26		66		76				0
3	NCR 13S	A8041501SD	37		81		76		28		65		82				0
4	NCR 3S	A8041502	40		83		79		29		72		81				0
5	NCR 4S	A8041503	34		64		63		27		59		51				0
6	NCR 5S	A8041504	37		75		71		25		62		69				0
7	SBLK67	A8B0893602	34		72		68		27		61		86				0
8	SMSB67	A8B0893601	36		71		69		28		55		80				0

			QC LIMITS
2FP	=	2-Fluorophenol	(20-120)
FBP	=	2-Fluorobiphenyl	(48-120)
NBZ	=	Nitrobenzene-D5	(46-120)
PHL	=	Phenol-D5	(16-120)
TBP	=	2,4,6-Tribromophenol	(52-132)
TPH	=	p-Terphenyl-d14	(24-136)

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

METHOD 8260 - SELECT VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B0913802

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

Matrix Spike - Client Sample No.: VBLK42

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	21.0	84	65 - 142
Trichloroethene	25.0	21.7	87	71 - 120
Benzene	25.0	21.4	86	67 - 126
Toluene	25.0	21.8	87	69 - 120
Chlorobenzene	25.0	21.6	86	73 - 120

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

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - SELECT VOLATILE ORGANICS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8041501

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

Matrix Spike - Client Sample No.: NCR 13S

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	0	28.1	112	65 - 142
Trichloroethene	25.0	0	25.5	102	71 - 120
Benzene	25.0	0	25.2	101	67 - 126
Toluene	25.0	0.540	26.1	102	69 - 120
Chlorobenzene	25.0	0	25.3	101	73 - 120

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	25.0	24.7	99	12	16	65 - 142
Trichloroethene	25.0	22.3	89	14	16	71 - 120
Benzene	25.0	22.2	89	13	13	67 - 126
Toluene	25.0	23.3	91	11	18	69 - 120
Chlorobenzene	25.0	22.6	91	10	19	73 - 120

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike recovery: 0 out of 10 outside limits

Comments: _____

8270 - SELECT SEMI-VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B0893602

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

Matrix Spike - Client Sample No.: SBLK67

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Phenol	100	26.6	27	17 - 120
1,4-Dichlorobenzene	100	39.5	40	32 - 100

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: _____

8270 - SELECT SEMI-VOLATILE ORGANICS
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8041501

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

Matrix Spike - Client Sample No.: NCR 13S

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Phenol	94.3	0	23.9	25	17 - 120
1,4-Dichlorobenzene	94.3	0	46.0	49	32 - 100

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	94.3	24.7	26	4	39	17 - 120
1,4-Dichlorobenzene	94.3	47.4	50	2	35	32 - 100

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: _____

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

NCR 4S/MS

Contract: NY01-078

Lab Code: TALBFLO Case No.: _____ SAS No.: _____ SDG NO.: A08-0415

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13320.2300		2816.5900		10000.00	105		P
Antimony	75 - 125	191.8400		20.0000	U	200.00	96		P
Barium	75 - 125	262.3400		61.9400		200.00	100		P
Beryllium	75 - 125	198.4400		2.0000	U	200.00	99		P
Cadmium	75 - 125	199.4700		1.0000	U	200.00	100		P
Calcium		112788.1000		102933.8200		10000.00	99		P
Chromium	75 - 125	204.5600		5.2500		200.00	100		P
Cobalt	75 - 125	200.0900		4.0000	U	200.00	100		P
Copper	75 - 125	217.8700		11.8400		200.00	103		P
Iron	75 - 125	20792.1800		9820.9100		10000.00	110		P
Lead	75 - 125	205.1100		5.0000	U	200.00	103		P
Magnesium	75 - 125	41889.0000		32132.7300		10000.00	98		P
Manganese	75 - 125	237.7700		39.0200		200.00	99		P
Nickel	75 - 125	205.0000		10.0000	U	200.00	102		P
Potassium	75 - 125	29454.7000		20120.8013		10000.00	93		P
Selenium	75 - 125	207.8900		15.0000	U	200.00	104		P
Silver	75 - 125	52.7200		3.0000	U	50.00	105		P
Sodium	75 - 125	41599.3800		34648.0125		10000.00	70	N	P
Thallium	75 - 125	190.2700		20.0000	U	200.00	95		P
Vanadium	75 - 125	201.7600		5.0000	U	200.00	101		P
Zinc	75 - 125	512.7300		298.9100		200.00	107		P

Comments: _____

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

NCR 4S/SD

Contract: NY01-078

Lab Code: TALBFLO Case No.: _____ SAS No.: _____ SDG NO.: A08-0415

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	14318.9700		2816.5900		10000.00	115		P
Antimony	75 - 125	193.4700		20.0000	U	200.00	97		P
Barium	75 - 125	267.2300		61.9400		200.00	103		P
Beryllium	75 - 125	199.9300		2.0000	U	200.00	100		P
Cadmium	75 - 125	202.2400		1.0000	U	200.00	101		P
Calcium		115052.3000		102933.8200		10000.00	121		P
Chromium	75 - 125	207.2700		5.2500		200.00	101		P
Cobalt	75 - 125	201.4700		4.0000	U	200.00	101		P
Copper	75 - 125	220.0400		11.8400		200.00	104		P
Iron	75 - 125	21912.7900		9820.9100		10000.00	121		P
Lead	75 - 125	208.1800		5.0000	U	200.00	104		P
Magnesium		42717.9900		32132.7300		10000.00	106		P
Manganese	75 - 125	241.4500		39.0200		200.00	101		P
Nickel	75 - 125	207.0900		10.0000	U	200.00	104		P
Potassium	75 - 125	30807.6200		20120.8013		10000.00	107		P
Selenium	75 - 125	209.3200		15.0000	U	200.00	105		P
Silver	75 - 125	52.7200		3.0000	U	50.00	105		P
Sodium		42528.7200		34648.0125		10000.00	79		P
Thallium	75 - 125	191.1800		20.0000	U	200.00	96		P
Vanadium	75 - 125	203.8400		5.0000	U	200.00	102		P
Zinc	75 - 125	532.4600		298.9100		200.00	117		P

Comments: _____

North Tonawanda Water Works
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POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

NCR 4SA

Contract: NY01-078

Lab Code: TALBFLO Case No.: SAS No.: SDG NO.: A08-0415

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Aluminum	75 - 125	13580.29		2816.59		10000.0	108		P
Antimony	75 - 125	198.24		20.00	U	200.0	99		P
Barium	75 - 125	269.04		61.94		200.0	104		P
Beryllium	75 - 125	199.87		2.00	U	200.0	100		P
Cadmium	75 - 125	199.54		1.00	U	200.0	100		P
Calcium	75 - 125	110916.00		102933.82		10000.0	80		P
Chromium	75 - 125	206.21		5.25		200.0	100		P
Cobalt	75 - 125	207.57		4.00	U	200.0	104		P
Copper	75 - 125	215.36		11.84		200.0	102		P
Iron	75 - 125	19777.95		9820.91		10000.0	100		P
Lead	75 - 125	212.38		5.00	U	200.0	106		P
Magnesium	75 - 125	41277.48		32132.73		10000.0	91		P
Manganese	75 - 125	238.49		39.02		200.0	100		P
Nickel	75 - 125	216.00		10.00	U	200.0	108		P
Potassium	75 - 125	30458.47		20120.80		10000.0	103		P
Selenium	75 - 125	205.75		15.00	U	200.0	103		P
Silver	75 - 125	51.96		3.00	U	50.0	104		P
Sodium	75 - 125	43903.34		34648.01		10000.0	93		P
Thallium	75 - 125	194.17		20.00	U	200.0	97		P
Vanadium	75 - 125	203.59		5.00	U	200.0	102		P
Zinc	75 - 125	507.75		298.91		200.0	104		P

Comments:

TESTAMERICA LABORATORIES INC.

North Tonawanda Water Works
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DUPLICATES

SAMPLE NO.

NCR 4S/SD

Contract: NY01-078

Lab Code: TALBFLO Case No.: _____ SAS No.: _____ SDG NO.: A08-0415

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		13320.2300		14318.9700		7		P
Antimony		191.8400		193.4700		1		P
Barium		262.3400		267.2300		2		P
Beryllium		198.4400		199.9300		1		P
Cadmium		199.4700		202.2400		1		P
Calcium		112788.1100		115052.3000		2		P
Chromium		204.5600		207.2700		1		P
Cobalt		200.0900		201.4700		1		P
Copper		217.8700		220.0400		1		P
Iron		20792.1800		21912.7900		5		P
Lead		205.1100		208.1800		1		P
Magnesium		41889.0000		42717.9900		2		P
Manganese		237.7700		241.4500		2		P
Nickel		205.0000		207.0900		1		P
Potassium		29454.7000		30807.6200		4		P
Selenium		207.8900		209.3200		1		P
Silver		52.7200		52.7200		0		P
Sodium		41599.3800		42528.7200		2		P
Thallium		190.2700		191.1800		0		P
Vanadium		201.7600		203.8400		1		P
Zinc		512.7300		532.4600		4		P

METHOD 8260 - SELECT VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK42

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Lab File ID: J6606.RR Lab Sample ID: A8B0913802

Date Analyzed: 01/18/2008 Time Analyzed: 12:13

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973J

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FIELD DUP #1	A8041505	J6622.RR	18:35
2	MSB42	A8B0913801	J6604.RR	11:26
3	NCR 13S	A8041501	J6616.RR	16:12
4	NCR 13S	A8041501MS	J6617.RR	16:36
5	NCR 13S	A8041501SD	J6618.RR	16:59
6	NCR 3S	A8041502	J6619.RR	17:23
7	NCR 4S	A8041503	J6620.RR	17:47
8	NCR 5S	A8041504	J6621.RR	18:11
9	TRIP BLANK	A8041506	J6623.RR	18:59

Comments: _____

METHOD 8260 - SELECT VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK42

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8B0913802

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J6606.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/18/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	0.70	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (Total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	5.0	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Total Xylenes	5.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U

8270 - SELECT SEMI-VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: SBLK67

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Lab File ID: V26493.RR Lab Sample ID: A8B0893602

Instrument ID: HP5973V Date Extracted: 01/17/2008

Matrix: (soil/water) WATER Date Analyzed: 01/18/2008

Level: (low/med) LOW Time Analyzed: 13:42

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	NCR 13S	A8041501	V26486.RR	01/18/2008
2	NCR 13S	A8041501MS	V26487.RR	01/18/2008
3	NCR 13S	A8041501SD	V26488.RR	01/18/2008
4	NCR 3S	A8041502	V26489.RR	01/18/2008
5	NCR 4S	A8041503	V26490.RR	01/18/2008
6	NCR 5S	A8041504	V26491.RR	01/18/2008
7	SMSB67	A8B0893601	V26492.RR	01/18/2008

Comments: _____

8270 - SELECT SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SBLK67

Lab Name: TestAmerica Laboratories Inc. Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A8B0893602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: V26493.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/17/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/18/2008

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
108-95-2	Phenol	5	U
95-48-7	2-Methylphenol	5	U
108-39-4	3-Methylphenol	10	U
106-44-5	4-Methylphenol	5	U

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
ICB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	12:27	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	12:27	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	12:55	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	12:55	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	14:10	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	14:10	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	15:39	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	15:39	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	16:50	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	16:50	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	17:52	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	17:52	SUPERTRACE	1011608

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB										
	Aluminum	200.000	U	200.000	200.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Antimony	20.000	U	20.000	20.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Barium	2.000	U	2.000	2.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Beryllium	2.000	U	2.000	2.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Cadmium	1.000	U	1.000	1.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Calcium	500.000	U	500.000	500.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Chromium	4.000	U	4.000	4.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Cobalt	4.000	U	4.000	4.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Copper	10.000	U	10.000	10.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Iron	50.000	U	50.000	50.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Lead	5.000	U	5.000	5.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Magnesium	200.000	U	200.000	200.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Manganese	3.000	U	3.000	3.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Nickel	10.000	U	10.000	10.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Potassium	500.000	U	500.000	500.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Selenium	15.000	U	15.000	15.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Silver	3.000	U	3.000	3.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Sodium	1000.000	U	1000.000	1000.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Thallium	20.000	U	20.000	20.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Vanadium	5.000	U	5.000	5.000	P	1/16/2008	18:57	SUPERTRACE	1011608
	Zinc	10.000	U	10.000	10.000	P	1/16/2008	18:57	SUPERTRACE	1011608
ICB										
	Mercury	0.120	U	0.120	0.120	CV	1/14/2008	13:11	LEEMAN PS20	G01148W1
CCB										
	Mercury	0.120	U	0.120	0.120	CV	1/14/2008	13:15	LEEMAN PS20	G01148W1
CCB										
	Mercury	0.120	U	0.120	0.120	CV	1/14/2008	13:33	LEEMAN PS20	G01148W1
CCB										
	Mercury	0.120	U	0.120	0.120	CV	1/14/2008	13:51	LEEMAN PS20	G01148W1

North Tonawanda Water Works

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
CCB	Mercury	0.120	U	0.120	0.120	CV	1/14/2008	14:09	LEEMAN PS20	G01148W1

North Tonawanda Water Works

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PREPARATION BLANK SUMMARY

Client: North Tonawanda Water Works **SDG No.:** A08-0415

Contract: NY01-078 **Lab Code:** TALBFLO **Case No.:** **SAS No.:**

Sample ID	Analyte	Result (ug/L)	Conc Qual	Q	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
AD801212-01/14/2008			**WATER**								
	Mercury	0.200	U		0.200	0.200	CV	1/14/2008	13:56	LEEMAN PS20	G01148W1
AD801662-01/16/08			**WATER**								
	Aluminum	200.000	U		200.000	200.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Antimony	20.000	U		20.000	20.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Barium	2.000	U		2.000	2.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Beryllium	2.000	U		2.000	2.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Cadmium	1.000	U		1.000	1.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Calcium	500.000	U		500.000	500.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Chromium	4.000	U		4.000	4.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Cobalt	4.000	U		4.000	4.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Copper	10.000	U		10.000	10.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Iron	50.000	U		50.000	50.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Lead	5.000	U		5.000	5.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Magnesium	200.000	U		200.000	200.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Manganese	3.000	U		3.000	3.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Nickel	10.000	U		10.000	10.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Potassium	500.000	U		500.000	500.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Selenium	15.000	U		15.000	15.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Silver	3.000	U		3.000	3.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Sodium	1000.000	U		1000.000	1000.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Thallium	20.000	U		20.000	20.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Vanadium	5.000	U		5.000	5.000	P	1/16/2008	15:57	SUPERTRACE	1011608
	Zinc	10.000	U		10.000	10.000	P	1/16/2008	15:57	SUPERTRACE	1011608

METHOD 8260 - SELECT VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0000147

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

Lab File ID (Standard): J6603.RR Date Analyzed: 01/18/2008

Instrument ID: HP5973J Time Analyzed: 11:03

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		602407		6.67		343536		8.51		683682		4.59	
	UPPER LIMIT		1204814		7.17		687072		9.01		1367364		5.09	
	LOWER LIMIT		301204		6.17		171768		8.01		341841		4.09	
	CLIENT SAMPLE	Lab Sample ID												
1	FIELD DUP #1	A8041505	560753		6.67		304902		8.51		632508		4.59	
2	MSB42	A8B0913801	607636		6.67		341007		8.51		677745		4.59	
3	NCR 13S	A8041501	595546		6.67		328804		8.51		668989		4.59	
4	NCR 13S	A8041501MS	591892		6.67		325592		8.51		674881		4.59	
5	NCR 13S	A8041501SD	583961		6.67		322281		8.51		671008		4.59	
6	NCR 3S	A8041502	575605		6.67		315588		8.51		653502		4.59	
7	NCR 4S	A8041503	567869		6.67		310451		8.51		641996		4.59	
8	NCR 5S	A8041504	557617		6.67		305391		8.51		632091		4.59	
9	TRIP BLANK	A8041506	555480		6.67		301441		8.51		628239		4.59	
10	VBLK42	A8B0913802	575754		6.67		314590		8.51		651281		4.59	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8270 - SELECT SEMI-VOLATILE ORGANICS
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0000128

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

Lab File ID (Standard): V26479.RR Date Analyzed: 01/18/2008

Instrument ID: HP5973V Time Analyzed: 08:17

			IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD		286978		9.63		506198		13.83		110755		5.68	
	UPPER LIMIT		573956		10.13		1012396		14.33		221510		6.18	
	LOWER LIMIT		143489		9.13		253099		13.33		55378		5.18	
	CLIENT SAMPLE	Lab Sample ID												
1	NCR 13S	A8041501	291556		9.63		495827		13.84		110927		5.68	
2	NCR 13S	A8041501MS	287584		9.63		493592		13.84		107447		5.68	
3	NCR 13S	A8041501SD	285615		9.63		493136		13.84		108423		5.68	
4	NCR 3S	A8041502	297610		9.63		508923		13.84		113174		5.68	
5	NCR 4S	A8041503	297503		9.63		512109		13.84		112882		5.68	
6	NCR 5S	A8041504	308627		9.63		510246		13.84		119910		5.68	
7	SBLK67	A8B0893602	310828		9.63		538429		13.84		113764		5.68	
8	SMSB67	A8B0893601	321627		9.63		548237		13.84		119910		5.68	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8270 - SELECT SEMI-VOLATILE ORGANICS
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0000128

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

Lab File ID (Standard): V26479.RR Date Analyzed: 01/18/2008

Instrument ID: HP5973V Time Analyzed: 08:17

			IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD		447793		7.37		495122		11.35		419211		15.11	
	UPPER LIMIT		895586		7.87		990244		11.85		838422		15.61	
	LOWER LIMIT		223897		6.87		247561		10.85		209606		14.61	
	CLIENT SAMPLE	Lab Sample ID												
1	NCR 13S	A8041501	458589		7.37		504695		11.35		426981		15.11	
2	NCR 13S	A8041501MS	448118		7.37		493635		11.35		420820		15.11	
3	NCR 13S	A8041501SD	447698		7.37		491186		11.35		421068		15.11	
4	NCR 3S	A8041502	468466		7.37		513556		11.35		428590		15.11	
5	NCR 4S	A8041503	461484		7.37		511430		11.35		438617		15.11	
6	NCR 5S	A8041504	491060		7.37		529602		11.35		450237		15.11	
7	SBLK67	A8B0893602	485772		7.37		535815		11.35		461886		15.11	
8	SMSB67	A8B0893601	511298		7.37		555556		11.35		472886		15.11	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8041505	FIELD DUP #1	GW	01/11/2008		01/11/2008	14:35
A8041501	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041501MS	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041501SD	NCR 13S	GW	01/11/2008	10:18	01/11/2008	14:35
A8041502	NCR 3S	GW	01/11/2008	12:50	01/11/2008	14:35
A8041503	NCR 4S	GW	01/11/2008	11:40	01/11/2008	14:35
A8041504	NCR 5S	GW	01/11/2008	13:45	01/11/2008	14:35
A8041506	TRIP BLANK	GW	01/11/2008		01/11/2008	14:35

METHODS SUMMARY

Job#: A08-0415

Project#: NY1A8791
Site Name: City of North Tonawanda

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - SELECT VOLATILE ORGANICS	SW8463 8260
8270 - SELECT SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

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.

SDG NARRATIVE

Job#: A08-0415

Project#: NY1A8791
Site Name: City of North Tonawanda

General Comments

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

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

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

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

Sample Receipt Comments

A08-0415
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Initial calibration standard curve A8I0000042 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for multiple compounds. However, the overall mean RSD of all compounds is 7.24%.

For method 8260, all samples were preserved to a pH less than 2.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A8I0000023-1 and A8I0000025.

The analytes 3-Methylphenol and 4-Methylphenol coelute and can not be analytically separated. The reported concentrations for these analytes are therefore a total number and reported as 4-Methylphenol, rather than individual quantitated values.

Metals Data

The recovery of sample NCR 4S Matrix Spike exhibited a result below the quality control limits for Sodium. Sample matrix is suspect. However, the LFB was acceptable.

The Serial Dilution of sample NCR 4S exceeded the quality control limits for Aluminum. However, the Post Spike of this sample was compliant. Therefore, no corrective action was necessary.

"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."

Amy Lynn Haag
Project Manager

1/31/08
Date

Chain of Custody Documentation

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.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
North Tonawanda Waste Water	Bill Davignon	1/11/08	395804
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
River Rd	(716) 695-8560		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
North Tonawanda / NY / 14120	Rick Becker	Amy Haag	
Project Name and Location (State)	**Carrier/Waybill Number**		
Niagara County Refuse Site	A&M Enterprises Inc.		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270	T. Metals	Special Instructions/ Conditions of Receipt
NCR-3S Annual 2007	1/11/08	1250		X						X			X			3
NCR-3S		1250		X			X							X		2
NCR-3S		1250		X					X						X	1
NCR-4S		1140		X						X			X			3
NCR-4S		1140		X			X							X		1
NCR-4S		1140		X					X						X	1
NCR-5S		1345		X						X			X			3
NCR-5S		1345		X			X							X		2
NCR-5S		1345		X					X						X	1
NCR-13S		10:18		X						X			X			3
NCR-13S		10:18		X			X							X		1
NCR-13S		10:18		X					X						X	1

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 _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Richard C Becker	1/11/08	14:35	1. Received By	1-11-08	14:35
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

4.0C

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

63/575

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: North Tonawanda Waste Water	Project Manager: Bill Davignon	Date: 1/11/08	Chain of Custody Number: 395803
Address: River Rd.	Telephone Number (Area Code)/Fax Number: (716) 695-8560	Lab Number:	Page 2 of 2
City: North Tonawanda / State: NY / Zip Code: 14120	Site Contact: Rick Barker	Lab Contact: Amy Haag	
Project Name and Location (State): Niagara County Refuse Site	Carrier/Waybill Number: QM Enterprises Inc.		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270	T. Metals	Special Instructions/ Conditions of Receipt
Field Dup #1	1/11/08	—		X						X			X			2
Trip Blank				X						X			X			1
NCR 135 MS	1/11/08	1030		X						X			X			2
NCR 135 MS	1/11/08	1030		X			X							X		1
~~NCR 135 MS~~ (RCB)	~~1/11/08~~	~~1030~~							X							1
NCR 135 MSD	1/11/08	1030		X						X			X			2
NCR 135 MSD	1/11/08	1030		X			X							X		1

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 _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Richard C Barker	1/11/08	14:35
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By	1-11-08	14:35
2. Received By		
3. Received By		

Comments

4.0c

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

64/575

TestAmerica Laboratories Inc.
Sample Inventory

Job No: A08-0415
Client: North Tonawanda Water Works
Project: NY1A8791
SDG:
Case:
SMO No:
No. Samps: 6

Radiation Check: YES
Custody Seal: NO
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	Pres log PH
01/11/2008 10:18	01/11/2008 14:35	NCR 13S	A8041501	Good	3-40mlV	TCL VOAS	RECNY	0103	<2
					1-1lGA	SVOA	RECNY	0100	
					1-8ozP	T-METALS	RECNY	0001	<2
01/11/2008 10:18	01/11/2008 14:35	NCR 13S	A8041501MS	Good	2-40mlV	TCL VOAS	RECNY	0103	<2
					1-1lGA	SVOA	RECNY	0100	
01/11/2008 10:18	01/11/2008 14:35	NCR 13S	A8041501SD	Good	2-40mlV	TCL VOAS	RECNY	0103	<2
					1-1lGA	SVOA	RECNY	0100	
01/11/2008 12:50	01/11/2008 14:35	NCR 3S	A8041502	Good	3-40mlV	TCL VOAS	RECNY	0103	<2
					2-1lGA	SVOA	RECNY	0100	
					1-8ozP	T-METALS	RECNY	0001	<2
01/11/2008 11:40	01/11/2008 14:35	NCR 4S	A8041503	Good	3-40mlV	TCL VOAS	RECNY	0103	<2
					1-1lGA	SVOA	RECNY	0100	
					1-8ozP	T-METALS	RECNY	0001	<2
01/11/2008 13:45	01/11/2008 14:35	NCR 5S	A8041504	Good	3-40mlV	TCL VOAS	RECNY	0103	<2
					2-1lGA	SVOA	RECNY	0100	
					1-8ozP	T-METALS	RECNY	0001	<2
01/11/2008	01/11/2008 14:35	FIELD DUP #1	A8041505	Good	2-40mlV	8260	RECNY	0103	<2
01/11/2008	01/11/2008 14:35	TRIP BLANK	A8041506	Good	1-40mlV	8260	RECNY	0103	<2

ample Custodian: 01/11/2008

Analytical Services Coordinator: ____/____/20

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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)

TestAmerica Buffalo

Doc. Login/ARRF - Side A
Rev 6
January 2, 2008

SAMPLE LOGIN JOB # 0415

Shipment ID_____ Strict Internal COC: YES / NO

Residual Chlorine Check: ☐

Radiation Check <0.02 mR/hr: YES / NO

AC 82318 Project / Task NY1A8791 / 4

TAT_____BD/21 CD # OF SAMPLES 6 TRIP BLANK Y/N # 1

SHIPPED BY Fed Ex	ATTACH SHIPPING TAGS
RECEIVED DATE / TIME:	01.11.08 14:35

COOLER TEMP 4.0 °C (<6 °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_____

ARE SAMPLE DATES AND TIMES CORRECT? Initials BS

WERE ALL THE APPROPRIATE TESTS ASSIGNED? Initials BS

Temp.Cert.Loss: Aldicarb in Drinking Water for New York State

8260 Volatiles

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
North Tonawanda Waste Water	Bill Davignon	1/11/08	395804
Address: River Rd.	Telephone Number (Area Code)/Fax Number: (716) 695-8560	Lab Number	Page 1 of 2
City: North Tonawanda; State: NY; Zip Code: 14120	Site Contact: Rick Becker	Lab Contact: Amy Hagg	
Project Name and Location (State): Niagara County Refuse Site	Carrier/Waybill Number: CAM Enterprises Inc.		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270	T. Metals	Special Instructions/ Conditions of Receipt
NCR-3S Annual 2007	1/11/08	1250		X						X			X			
NCR-3S		1250		X			X							X		3
NCR-3S		1252		X					X						X	2
NCR-4S		1140		X						X			X			1
NCR-4S		1140		X			X							X		3
NCR-4S		1140		X					X						X	1
NCR-5S		1345		X						X			X			1
NCR-5S		1345		X			X							X		3
NCR-5S		1345		X					X						X	2
NCR-13S		10:18		X						X			X			1
NCR-13S		10:18		X			X							X		3
NCR-13S		10:18		X					X						X	1
																1

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 _____

QC Requirements (Specify)

1. Relinquished By: Richard C. Becker	Date: 1/11/08	Time: 14:35	1. Received By: [signature]	Date: 1-11-08	Time: 14:35
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: North Tonawanda Waste Water	Project Manager: Bill Davignon	Date: 1/11/08	Chain of Custody Number: 395803
Address: River Rd	Telephone Number (Area Code)/Fax Number: (716) 695-8560	Lab Number:	Page 2 of 2
City: North Tonawanda / State: NY / Zip Code: 14120	Site Contact: Rick Becker	Lab Contact: Amy Haag	
Project Name and Location (State): Niagara County Refuse Site	Carrier/Waybill Number: C&M Enterprises Inc.		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	8270	T. Metals	Special Instructions/ Conditions of Receipt
Field Dupe 1	1/11/08	—		X						X			X			2
Trip Blank				X						X			X			1
NCR 135 MS	1/11/08	1030		X						X			X			2
NCR 135 MS	1/11/08	1030		X			X							X		1
~~NCR 135 MS~~ (RCB)	~~1/11/08~~	~~1030~~							HNO3							1
NCR 135 MSD	1/11/08	1030		X						X			X			2
NCR 135 MSD	1/11/08	1030		X			X							X		1

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 ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Rick Becker	1/11/08	17:35	1. Received By:	1-11-08	17:39
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

GROUNDWATER SAMPLING • SAMPLE COLLECTION DATA SHEET

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

SAMPLING CREW MEMBERS: Richard C. Becken

DATE OF SAMPLE COLLECTION: 01/11/08 (M M D D Y Y) NCR Annual 2007

Sample I.D. Number	Well Number	Well Volume (Gallons)	Volume Purged (Gallons)	Sample Time	Sample Description	Analysis Required	Chain-of-Custody Number	Shipping Manifest Number
	NCR 3S	0.52 gal	~.8 gal	1250	annual monitoring well	Vol. Semi Vol T. Metals	395804 395803	
	NCR 4S	0.39 gal	~.6 gal	1140	annual monitoring well	Vol. Semi Vol T. Metals	395804 395803	
	NCR 5S	0.35 gal	~.5 gal	1345	annual monitoring well	Vol Semi Vol T. Metals	395804 395803	
	NCR 13S	0.62 gal	~1.20	10:18	annual monitoring well	Vol Semi Vol T. Metals	395804 395803	
	(MS/MSD) * NCR 13S			1018	"	Vol Semi Vol T. Metals	395804 395803	
	(Duplicate) * NCR 3S			1250	"	Volatiles	395804 395803	
	(Rinse Blank) *							

Note: * QA/QC sample (see QAPP for explanation of how to collect and label these samples). Collect MS/MSD and duplicate from one of the four monitoring wells listed above. Create a unique sample ID for the blind duplicate using NCR 6S for the well number. Write the name of the well where the MS/MSD and duplicate were actually collected in the well number boxes under "MS/MSD" and "Duplicate" above.

Additional Comments: This sample event is for 2007

FP-5A

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 0 1 1 0 0 8 (MM DD YY)

CREW MEMBERS: RC Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR-35

ONE WELL VOLUME: .52 gallons

FIVE WELL VOLUMES: 2.58 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~.5 gal	~.8 gal				
pH	7.35	7.3				
TEMPERATURE	44.2	43.4				
CONDUCTIVITY	1.13	1.12				
TURBIDITY	27.4	9.58				
COLOR	clear	clear				
ODOR	none	none				
COMMENTS		well dry				

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

1/10/08 Richard C Becker Richard C Becker

DATE PRINT NAME SIGNATURE

FP-4C

CRA FP3.DOC

6.02 - 2.58

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 01/16/08 (MM DD YY)

CREW MEMBERS: RC Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR 45

ONE WELL VOLUME: 0.39 gallons

FIVE WELL VOLUMES: 1.95 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~.4	~.6				
pH	8.08	8.03				
TEMPERATURE	41.5	40.8				
CONDUCTIVITY	0.85	0.82				
TURBIDITY	279	565				
COLOR	light brown	tan				
ODOR	None	none				
COMMENTS		well dry				

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

1/10/08 Richard C Becker

DATE PRINT NAME SIGNATURE

FP-4C

CRA 8720 (17)

5.11 - 2.8

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 01/10/08 (MM DD YY)

CREW MEMBERS: RC Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR-5S

ONE WELL VOLUME: 0.35 gallons

FIVE WELL VOLUMES: 1.75 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~.35 gal	~.5				
pH	7.98	7.76				
TEMPERATURE	44.2	44.7				
CONDUCTIVITY	0.64	0.62				
TURBIDITY	357	131				
COLOR	tan	cloudy				
ODOR	none	none				
COMMENTS		well dry				

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

1/10/08 Richard C Becker Richard C Becker

DATE PRINT NAME SIGNATURE

FP-4C

11:10 - 9.23

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 11/10/08 (MM DD YY)

CREW MEMBERS: RC Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR 135

ONE WELL VOLUME: 0.62 gallons

FIVE WELL VOLUMES: 3.1 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~.65 gal	~1.2 gal				
pH	7.22	7.27				
TEMPERATURE	48.0	41.5				
CONDUCTIVITY	1.06	0.96				
TURBIDITY	33.7	17.2				
COLOR	clear	clear				
ODOR	none	none				
COMMENTS	well dry	well dry				

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

11/10/08 (DATE) Richard C Becker (PRINT NAME) Richard C Becker (SIGNATURE)

FP-4C

CRA FP23 (7/97)

7.43 -4.29

APPENDIX D
DATA VALIDATION REPORT

DATA USABILITY SUMMARY REPORT
FOR
NIAGARA COUNTY REFUSE SITE

Prepared By:

PARSONS

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FEBRUARY 2008

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LIST OF ATTACHMENTS

SECTION 1

DATA USABILITY SUMMARY

Groundwater samples were collected from the Niagara County Refuse site in North Tonawanda, New York on January 11, 2008. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan, and
- USEPA Region II Standard Operating Procedures (SOPs).

The analytical laboratory for this project was Test America Laboratory (TAL) in Buffalo, New York. This laboratory is certified to conduct project analyses through the New York Department of Health (NYDOH) Environmental Laboratory Approval Program (ELAP).

1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 25 days on average for the groundwater samples.

The data packages received from TAL were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

Groundwater samples were collected, properly preserved, shipped under a COC record, and received at TAL within one day of sampling. All samples were received intact and in good condition at TAL.

1.3 LABORATORY ANALYTICAL METHODS

Groundwater samples were collected from the site and analyzed for volatile organic compounds (VOCs), certain semivolatile organic compounds (SVOCs), and metals. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.3. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given,

"N" - presumptive evidence at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

Groundwater samples collected from the site were analyzed for target compound list (TCL) VOCs using the USEPA SW-846 8260B analytical method. The reported results for the TCL VOC samples did not require qualification resulting from data validation with the exception of acetone sample results due to acetone detected in the QC trip blank. Therefore, the reported TCL VOC analytical results were 100% complete (i.e., usable) for the groundwater data presented by TAL. PARCC requirements were met overall.

1.3.2 Semivolatile Organic Analysis

Groundwater samples collected from the site were analyzed for certain SVOCs using the USEPA SW-846 8270C analytical method. The SVOC samples did not require qualification resulting from data validation. Therefore, the reported SVOC analytical results were 100% complete (i.e., usable) for the groundwater data presented by TAL. PARCC requirements were met overall.

1.3.3 Metals Analysis

Groundwater samples collected from the site were analyzed for target analyte list metals using the USEPA SW-846 6010B/7470A analytical methods. Certain metals results were considered estimated due to noncompliant matrix spike recoveries and serial dilutions. All of the metals data were considered usable and 100% complete for the groundwater data presented by TAL. PARCC requirements were met overall.

SECTION 2

DATA VALIDATION REPORT

2.1 GROUNDWATER DATA

Data review has been completed for data packages generated by TAL containing groundwater samples collected from the Niagara County Refuse site. The specific samples contained in these data packages, the analyses performed, and a usability summary, are presented in Table 2.1-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.1.1 TCL Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Matrix spike blank (MSB) recoveries
- Laboratory method blank contamination and trip blank contamination
- Instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination.

Blank Contamination

The QC TRIP BLANK sample associated with all of the project samples contained acetone at a concentration of 1.8 µg/L. As a result, the acetone results less than the

validation action concentration of 1.8 µg/L for the project samples were considered not detected and qualified "U".

Usability

All TCL volatile sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness and comparability. The TCL volatile data presented by TAL were 100% complete (i.e., usable) for groundwater. The validated TCL volatile laboratory data are tabulated and presented in Attachment A.

2.1.2 Semivolatiles

The following items were reviewed for compliance in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- MSB recoveries
- Laboratory method blank contamination
- Instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All semivolatile sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness and comparability. The semivolatile data presented by TAL were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A.

2.1.3 Metals

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration and laboratory preparation blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike recoveries
- Laboratory duplicate precision
- Laboratory control sample
- ICP serial dilution
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of matrix spike recoveries and serial dilutions.

Matrix Spike Recoveries

All matrix spike (MS) recoveries were compliant and within QC acceptance limits with the exception of the low MS recovery for sodium (70%R; QC limit 75-125%R) associated with all samples. Therefore, all sodium results were considered estimated, possibly biased low, with the positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Serial Dilutions

All serial dilutions results were compliant and within the QC limit with the exception of the serial dilution for aluminum. Therefore, positive aluminum results greater than ten times the instrument detection limit were considered estimated and qualified "J".

Usability

All metals sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The metals data presented by TAL were 100% complete with all metals data considered valid and usable. The validated metals laboratory data are tabulated and presented in Attachment A.

TABLE 2.1-1

SUMMARY OF SAMPLE ANALYSES AND USABILITY

NIAGARA COUNTY REFUSE SITE

SAMPLE ID	MATRIX	SAMPLE DATE	TCL VOCs	SVOCs	METALS
NCR-3S	Water	1/11/08	OK	OK	OK
NCR-4S	Water	1/11/08	OK	OK	OK
NCR-5S	Water	1/11/08	OK	OK	OK
NCR-13S	Water	1/11/08	OK	OK	OK
FIELD DUP	Water	1/11/08	OK		
TRIP BLANK	Water	1/11/08	OK		
	TOTAL SAMPLES		6	4	4

NOTES: OK - Sample analysis considered valid and usable.

ATTACHMENT A

VALIDATED LABORATORY DATA

City of North Tonawanda WWTP 830 River Road North Tonawanda, NY C/O Niagara County Refuse Site Validated Groundwater Sampling Event January 2008		Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	NCR-3S A8041502 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	Dup of NCR-3S FIELD DUP #1 A8041505 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-4S A8041503 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-5S A8041504 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	NCR-13S A8041501 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008	TRIP BLANK A8041506 TAL-Buffalo A08-0415 WATER 1/11/2008 2/12/2008
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
67-64-1	Acetone	ug/L	25 U	25 U	25 U	25 U	25 U	1.8 J
71-43-2	Benzene	ug/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
75-27-4	Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
75-25-2	Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
74-83-9	Bromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
78-93-3	2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
75-15-0	Carbon Disulfide	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
56-23-5	Carbon tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
75-00-3	Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
67-66-3	Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
74-87-3	Chloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
540-59-0	1,2-Dichloroethene (total)	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
78-87-5	1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
142-28-9	1,3-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
100-41-4	Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
127-18-4	Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	5 U	5 U	5 U	5 U	0.54 J	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl chloride	ug/L	2 U	2 U	2 U	2 U	2 U	2 U
1330-20-7	Total Xylenes	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U
	SEMIVOLATILES							
95-50-1	1,2-Dichlorobenzene	ug/L	9 U		9 U	9 U	9 U	
541-73-1	1,3-Dichlorobenzene	ug/L	9 U		9 U	9 U	9 U	
106-46-7	1,4-Diclorobenzene	ug/L	9 U		9 U	9 U	9 U	
108-95-2	Phenol	ug/L	5 U		5 U	5 U	5 U	
95-48-7	2-Methylphenol	ug/L	5 U		5 U	5 U	5 U	
108-39-4	3-Methylphenol	ug/L	9 U		9 U	9 U	9 U	
106-44-5	4-Methylphenol	ug/L	5 U		5 U	5 U	5 U	
	METALS							
7429-90-5	Aluminum	ug/L	200 U		2820 J	910	254	
7440-36-0	Antimony	ug/L	20 U		20 U	20 U	20 U	
7440-39-3	Barium	ug/L	39.7		61.9	66.9	49	
7440-41-7	Beryllium	ug/L	2 U		2 U	2 U	2 U	
7440-43-9	Cadmium	ug/L	1 U		1 U	1 U	1 U	
7440-70-2	Calcium	ug/L	146000		103000	58100	126000	
7440-47-3	Chromium	ug/L	4 U		5.2	8	9.9	
7440-48-4	Cobalt	ug/L	4 U		4 U	4 U	4 U	
7440-50-8	Copper	ug/L	10 U		11.8	10 U	13	
7439-89-6	Iron	ug/L	1210		9820	841	611	
7439-92-1	Lead	ug/L	5 U		5 U	5 U	5 U	
7439-95-4	Magnesium	ug/L	82300		32100	44900	33000	
7439-96-5	Manganese	ug/L	342		39	21.7	11.3	
7440-02-0	Nickel	ug/L	10 U		10 U	10.4	10 U	
7440-09-7	Potassium	ug/L	2110		20100	1110	4300	
7782-49-2	Selenium	ug/L	15 U		15 U	15 U	15 U	
7440-22-4	Silver	ug/L	3 U		3 U	3 U	3 U	
7439-97-6	Mercury	ug/L	0.2 U		0.2 U	0.2 U	0.2 U	
7440-23-5	Sodium	ug/L	13200 J		34600 J	27400 J	32600 J	
7440-28-0	Thallium	ug/L	20 U		20 U	20 U	20 U	
7440-62-2	Vanadium	ug/L	5 U		5 U	5 U	5 U	
7440-66-6	Zinc	ug/L	47.6		299	30.6	21.6	

APPENDIX E
MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 10|10|4|0|8 (MM DD YY)

INSPECTOR(S): RC Belker

	Item	*Inspect For*	*Action Required*	*Comments*
1.	**Perimeter Collection System/Off-Site Forcemain**			
☐	Manholes	- cover on securely	OK	
☐		- condition of cover	good	
☐		- condition of inside of manhole	good	
☐		- flow conditions	no apparent flow	
☐	Wet Wells	- cover on securely	OK	
☐		- condition of cover	good	
☐		- condition of inside of wet well	good	
2.	**Landfill Cap**			
☐	Vegetated Soil Cover	- erosion	none	
☐		- bare areas	none	
☐		- washouts	none	
☐		- leachate seeps	none	
☐		- length of vegetation	short snow covered	
☐		- dead/dying vegetation	winter kill	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 01/04/18 (MM DD YY)

INSPECTOR(S): RC Baker

Item	Inspect For	Action Required	Comments
2. Landfill Cap (continued)			
☐ Access Roads	- bare areas, dead/dying veg.	snow covered	
	- erosion	none	
	- potholes or puddles	none	
	- obstruction	none	
3. Wetlands (Area "F")	- dead/dying vegetation	winter kill	
	- change in water budget	low	
	- general condition of wetlands	OK	
4. Other Site Systems			
☐ Perimeter Fence	- integrity of fence	good	
	- integrity of gates	good	
	- integrity of locks	good	
	- placement and condition of signs	OK	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 10|11|6|4|0|1|8| (MM DD YY)

INSPECTOR(S): RC Baker

	Item	Inspect For	Action Required	Comments
4.	**Other Site Systems (continued)**			
	Drainage Ditches/ Swale Outlets	- sediment build-up	none	
		- erosion	none	
		- condition of erosion protection	good	
		- flow obstructions	none	
		- dead/dying vegetation	winter kill	
		- cable concrete/gabion mats and riprap	good	
	Culverts	- sediment build-up	none	
		- erosion	none	
		- condition of erosion protection	~~none~~ good	
		- flow obstructions	none	
	Gas Vents	- intact /damage	intact good condition	
	Wells	- locks secure	OK	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 02/08/08 (MM DD YY)

INSPECTOR(S): RC Becker

	Item	Inspect For	Action Required	Comments
1.	**Perimeter Collection System/Off-Site Forcemain**			
☐	Manholes	- cover on securely	yes	
☐		- condition of cover	good	
☐		- condition of inside of manhole	good	
☐		- flow conditions	OK	
☐	Wet Wells	- cover on securely	yes	
☐		- condition of cover	good	
☐		- condition of inside of wet well	good	
2.	**Landfill Cap**			
☐	Vegetated Soil Cover	- erosion	none snow covered	
☐		- bare areas	none " "	
☐		- washouts	none	
☐		- leachate seeps	none	
☐		- length of vegetation	short snow covered	
☐		- dead/dying vegetation	winter kill	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 02/08/08 (MM DD YY)

INSPECTOR(S): RC Bolton

Item	Inspect For	Action Required	Comments
2. **Landfill Cap (continued)**			
☐ Access Roads	- bare areas, dead/dying veg.	snow covered	
☐	- erosion	none	
☐	- potholes or puddles	none	
☐	- obstruction	none	
3. **Wetlands (Area "F")**	- dead/dying vegetation	winter kill	
	- change in water budget	high water	
	- general condition of wetlands	good	
4. **Other Site Systems**			
☐ Perimeter Fence	- integrity of fence	good	
☐	- integrity of gates	good	
☐	- integrity of locks	good	
☐	- placement and condition of signs	OK	

FORM 1

CRA 5723 (17)

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 01/08/18 (MM DD YY)

INSPECTOR(S): RC Becker

	Item	Inspect For	Action Required	Comments
4.	**Other Site Systems (continued)**			
☐	Drainage Ditches/ Swale Outlets	- sediment build-up	none	
☐		- erosion	none	
☐		- condition of erosion protection	good	
☐		- flow obstructions	good	
☐		- dead/dying vegetation	winter kill	
☐		- cable concrete/gabion mats and riprap	good	
☐	Culverts	- sediment build-up	none	
☐		- erosion	none	
☐		- condition of erosion protection	good	
☐		- flow obstructions	none	
☐	Gas Vents	- intact /damage	good condition	
☐	Wells	- locks secure	yes	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 03/07/08 (MM DD YY)

INSPECTOR(S): RC Bocken

	Item	*Inspect For*	*Action Required*	*Comments*
1.	**Perimeter Collection System/Off-Site Forcemain**			
☐	Manholes	- cover on securely	yes	
☐		- condition of cover	good	
☐		- condition of inside of manhole	good	
☐		- flow conditions	no flow	
☐	Wet Wells	- cover on securely	yes	
☐		- condition of cover	good	
☐		- condition of inside of wet well	good	
2.	**Landfill Cap**			
☐	Vegetated Soil Cover	- erosion	none	
☐		- bare areas	snow covered	
☐		- washouts	none	
☐		- leachate seeps	none	
☐		- length of vegetation	short	
☐		- dead/dying vegetation	winter kill	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 03/07/08 (MM DD YY)

INSPECTOR(S): RC Becker

Item	Inspect For	Action Required	Comments
2. Landfill Cap (continued)			
☐ Access Roads	- bare areas, dead/dying veg.	snow covered	
☐	- erosion	none	
☐	- potholes or puddles	none	
☐	- obstruction	none	
3. Wetlands (Area "F")	- dead/dying vegetation	winter kill	
	- change in water budget	water normal	
	- general condition of wetlands	good	
4. Other Site Systems			
☐ Perimeter Fence	- integrity of fence	good	
☐	- integrity of gates	good	
☐	- integrity of locks	good	
☐	- placement and condition of signs	good	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 10/30/98 (MM DD YY)

INSPECTOR(S): R C Bolton

Item	Inspect For	Action Required	Comments
4. **Other Site Systems (continued)**			
Drainage Ditches/ Swale Outlets	- sediment build-up	none	
	- erosion	none	
	- condition of erosion protection	good	
	- flow obstructions	none	
	- dead/dying vegetation	winter kill	
	- cable concrete/gabion mats and riprap	good	
Culverts	- sediment build-up	none	
	- erosion	none	
	- condition of erosion protection	good	
	- flow obstructions	good	
Gas Vents	- intact /damage	good condition	
Wells	- locks secure	yes	

FORM 1

APPENDIX F
MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becker

1. Date: 03/10/08 (MM DD YY)

Time: 1600 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: freed stuck float switch in LWD

2. Company Performing Maintenance

Name: O+M Enterprises Inc.

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

float switch stuck in well

Description of Material Removed:

none

Problems/Comments:

none

3/10/08 RC Becker
DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becker

1. Date: 03/31/08 (MM DD YY)

Time: 1100 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: replace pump in WWD

2. Company Performing Maintenance

Name: O+M Enterprises Inc.

Address: 7134 Marigold Dr
North Tonawanda, NY 14120

Contact Name: RC Becker

3. Methods Used:

removed Grundfos pump from WWA cleaned and installed same pump in WWD. Install new Grundfos pump in WWA

Description of Material Removed:

none

Problems/Comments:

none

3/31/08 RC Becker RC Becker

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

APPENDIX G
WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 10/04/98 (M M D D Y Y)

CREW MEMBERS: R C B. L

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	1440	598.93	25.31	573.62
EAST "B"	1425	596.23	19.95	576.28
EAST "C"	1410	598.69	20.3	578.39
EAST "D"	1400	593.20	15.15	578.05
NCR-3S	1340	579.60	3.46	576.14
NCR-4S	1300	591.88	3.06	588.82
NCR-5S	1200	597.34	10.8	586.54
NCR-13S	1225	593.13	4.64	588.49

WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	1215		~12"
WW B	1310		~10"
WW C	1370		~12"
WW D	1245		~13"

Total System Flow	Time of Measurement
3944830	1215

FORM 16

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 10|2|0|8|0|8| (M M D D Y Y)

CREW MEMBERS: RC Bocko

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:50	598.93	25.22	573.71
EAST "B"	12:40	596.23	19.65	576.58
EAST "C"	12:25	598.69	19.97	578.72
EAST "D"	12:10	593.20	14.66	578.54
NCR-3S	11:35	579.60	3.29	576.31
NCR-4S	11:50	591.88	2.82	589.06
NCR-5S	11:10	597.34	6.26	591.08
NCR-13S	10:30	593.13	4.3	588.83

WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	10:20		~10"
WW B	11:58		~11"
WW C	11:25		~10"
WW D	10:50		~12"

Total System Flow	Time of Measurement
40170550	10:20

FORM 16

WATER LEVEL RECORD

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 03 / 17 / 08 (MM DD YY)

CREW MEMBERS: Richard C. Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
East "A"	13:10	598.93	25.27	573.66
East "B"	13:00	596.23	19.9	576.33
East "C"	12:45	598.69	20.26	578.43
East "D"	12:40	593.20	14.89	578.31
NCR-3S	12:00	579.60	3.56	576.04
NCR-4S	11:25	591.88	2.89	588.99
NCR-5S	12:25	597.34	7.11	590.23
NCR-13S	10:58	593.13	4.74	588.39

Wet Wells

		depth of water		
WWA	10:45	~13"		
WWB	11:40	~12"		
WWC	12:10	~9"		
WWD	11:20	~10"		

Total System Flow	Time of Measurement
4407790	1045

FORM 16

APPENDIX H
COMPACT DISK CONTAINING REPORT