Weston Solutions, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, Pennsylvania 19380
610-701-3000 • Fax 610-701-3186
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

March 8, 2016

Mr. Brian Sadowski
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2915

W.O. No. 02181.086.024

Re: Periodic Review Report (February 14, 2015 to February 14, 2016)
and IC/EC Certification
3M Tonawanda, New York Facility
Order on Consent # B9-0369-91-04, Site Code #915148

Dear Mr. Sadowski:

In accordance with the referenced Order on Consent (Order) and at 3M's direction, we are submitting the Periodic Review Report (PRR) for the 3M Tonawanda, NY facility for the period extending from February 14, 2015 to February 14, 2016.

We also have enclosed the completed Institutional and Engineering Controls Certification Form for this site.

Should you have any comments or questions, please contact me at 610-701-3677.

Very truly yours,

WESTON SOLUTIONS, INC.

Thomas A. Drew, P.G.
Principal Project Manager

c: J. Pettinelli, 3M (w/ enclosure)
K. Held, 3M (w/ enclosure)
G. May, NYSDEC (w/enclosure)

PERIODIC REVIEW REPORT

Site Name and Location:	3M Facility, Tonawanda, New York
Registry Number:	915148
Order on Consent:	B9-0369-91-04
3M Project Contacts:	Justin Pettinelli (3M Corporate) Keith Held (3M Tonawanda)
NYSDEC Project Lead:	Glenn May
Reporting Period:	February 14, 2015 to February 14, 2016

Background

The New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) (Registry No. 915148) for the 3M facility in Tonawanda, New York. This ROD presents the selected remedial action for the Tonawanda facility based on the site's Administrative Record and public input. Following ROD issuance, the NYSDEC reclassified the 3M Tonawanda site from "Class 3 – Does not present a significant threat to the public health or environment – action may be deferred", to "Class 4 – Site properly closed – requires continued management."

3M is implementing the selected ROD remedy, No Further Action with Monitoring, under an Order on Consent (Index # B9-0369-91-04) (Order) according to the NYSDEC-approved Operation and Maintenance Work Plan (O&M Work Plan), which was made part of the Order. The original O&M Work Plan called for:

- Filing a Declaration of Covenants and Restrictions with the property deed at the Erie County Clerk's Office. This was completed and was reported in the initial progress report for the period ending March 31, 2001.
- Performing long-term groundwater monitoring. Involved semiannual sampling of site monitor wells MW-1, MW-2, MW-3, and MW-4 and annual sampling of the two site lysimeters, LY-1 and LY-2, with groundwater samples analyzed for carbon disulfide (CS_2).
- Inspecting the completed interim remedial measures (IRMs) (includes the CS_2 tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

Semiannual periodic review reports have been submitted by 3M to NYSDEC and these reports summarize project activities that occurred in the previous reporting periods. In

August 2005, the Five-Year Evaluation Report was submitted by 3M to NYSDEC and this report concluded that the selected remedy has been effective in meeting remediation goals outlined in the 1999 ROD and remains protective of human health and the environment. The aforementioned evaluation report also contained a recommended future course of action for the facility, including reductions in groundwater monitoring and reporting under the Order/O&M Plan.

By letter of May 18, 2006, NYSDEC provided comment on the Five-Year Evaluation Report. Based on the presence of CS_2 in the subsurface environment, NYSDEC required continued monitoring at this facility, but required only one site monitoring well (MW-4) and one site lysimeter (LY-2) be monitored for CS_2 on a semiannual basis and annual basis, respectively. According to the May 2006 NYSDEC correspondence, reporting on the maintenance of the drainage swale and associated catch basins would continue under the Order/O&M Plan; however, reporting on the continued operations, maintenance and inspection of the existing CS_2 tank system could be completed by 3M under NYSDEC's Chemical Bulk Storage Program.

This Periodic Review Report (PRR) reflects the O&M monitoring and reporting modifications agreed upon with NYSDEC. Sampling of the reduced monitoring network under the modified O&M Plan was completed in April 2015 and November 2015. The results from these sampling events are presented herein, along with a description of any maintenance activity conducted in the swale. Also, all analytical results presented in this (PRR) will be uploaded into NYSDEC's EQuIS system in March 2016.

Summary of Activities Performed During the Reporting Period

The following is a summary of activities performed by 3M during the reporting period:

- Groundwater samples for CS_2 analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) and lysimeter LY-02 on April 29, 2015 in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the April 29, 2015 sampling event are provided in this report. Photographs of the site groundwater monitoring well and lysimeter taken on November 9, 2015 are provided in Attachment A.

- Groundwater samples for CS_2 analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) on November 3, 2015 pursuant to the O&M Plan modifications. The sampling results from the November 3, 2015 event are provided in this report.

- No maintenance activity was conducted in the subject drainage swale during the reporting period. Vegetation and grading in this swale are in good condition. Photographs showing the condition of the drainage swale, catch basin and fencing at the time of the site inspection in November 2015 are provided in Attachment A.

- The annual compliance inspection/evaluation was completed on November 9, 2015. No deficiencies were noted during the inspection.

Groundwater Monitoring Results

Summary of Carbon Disulfide Water Analytical Results (mg/L)

Sampling Date	Sample ID and Result		
	MW-4	MW-4 Duplicate	LY-02
4/29/2015	0.48 J	ND	200
11/03/2015	ND	ND	NS

Notes: ND: Not detected at the reporting limit. The reporting limit for CS_2 is 5 µg/L for MW-4, and 40 mg/L for LY-02 due to sample dilution at the laboratory.

NS: Not sampled per approved plan.

J: Result is less than the reporting limit of 5 µg/L but greater than or equal to the method detection limit of 0.19 µg/L and the concentration is an approximate value.

As noted above, CS_2 was not detected above the reporting limit in the groundwater samples collected from monitoring well MW-4 in April 2015 and November 2015. CS_2 was detected at a concentration of 200 mg/L in the pore water sample collected from lysimeter LY-02. This finding is consistent with previous sample results. A copy of the completed well purging/sampling forms and the laboratory data packages for the April 2015 and November 2015 sampling events is provided in Attachment B.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915148

Site Name 3M O-Cel-O Sponge Plant

Site Address: 305 Sawyer Avenue Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 1.0

Reporting Period: February 14, 2015 to February 14, 2016

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☒	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915148 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
65.09-6-5	Minnesota Mining & Manufacturing	Landuse Restriction Monitoring Plan

A No Further Action Record of Decision (ROD) was issued for this site in March 1999. A Declaration of Covenants and Restrictions was placed on the property on March 21, 2001 prohibiting the residential use of the site. The graded area surrounding the catch basins are maintained and inspected annually. Groundwater monitoring is also conducted to confirm that site conditions remain unchanged and to detect any future migration of CS2, should it occur. The site is fenced.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
65.09-6-5	Fencing/Access Control

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915148

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Carl Carleton (print name) at 305 Sawyer Ave, Tonawanda, NY (print business address)

am certifying as Plant Manager (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Carl Carleton
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2-29-16
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I THOMAS DREW (print name) at 1400 WESTON WAY, WEST CHESTER, PA (print business address)

am certifying as a Qualified Environmental Professional for the 3M COMPANY (Owner or Remedial Party)

Thomas A. Drew — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

3/7/2016 — Date

Permit No. 116

TOWN OF TONAWANDA

INDUSTRIAL SEWER CONNECTION PERMIT

Company Name: 3M Company
Division Name (if Applicable)

Mailing Address: 305 Sawyer Ave
Street or P.O. Box
Tonawanda, NY 14150
City, State and Zip Code

Facility Address: 305 Sawyer Ave
Street or P.O. Box
Tonawanda, NY 14150
City, State and Zip Code

The above Industrial User is authorized to discharge industrial wastewater to the Town of Tonawanda sewer system in compliance with the Town's Sewer Use Ordinance Number 2-2000, any applicable provisions of Federal or State law or regulation, and in accordance with discharge point(s), effluent limitations, monitoring requirements, and other conditions set forth herein.

This permit is granted in accordance with the application filed on June 12, 2015 in the office of the Pretreatment Administrator, and in conformity with plans, specifications, and other data submitted to the Town in support of the above application.

Effective Date: September 1, 2015

Expiration Date: August 31, 2018

Permit No. 116

Date: 8/19/15 Signed: Paul Morrow

Paul Morrow
Town of Tonawanda
Pretreatment Coordinator

Permit No. 116

Modified Date:

WASTEWATER STREAMS AUTHORIZED FOR DISCHARGE

WASTEWATER STREAM	APPROXIMATE FLOW(GPD)	YES	NO
A. Sanitary Discharge	12,000	x	
B. Cooling Water			x
C. Boiler Blowdown			x
D. Process Wastewater			x
E. Other			x
F. Other			x

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. **LOCALLY DERIVED LIMITATIONS**

The industrial user shall comply with the following locally derived effluent limitations effective as of: ***September 1, 2015***

MONITORING LOCATION: Sanitary Manhole at GPS Coordinates 42.9766, -78.9192
SAMPLE TYPE: 24 Composite for all parameters except pH and Oil and Grease which will be grab

PARAMETERS	SAMPLE FREQUENCY	LIMIT	PURPOSE
pH	Semi-annual	5.0-9.5 SU	Compliance
Hexane Extractable Material	" "	300 mg/l	"
Biochemical Oxygen Demand	" "	250 mg/l	Surcharge
Total Suspended Solids	" "	"	"
Total Phosphorus	" "	6.0 mg/l	"
Total Sulfate	" "	None	Monitoring

The discharge flow for this permit is unmetered. An estimated flow of 12,000 gallons per day will be used for all billing associated with this permit as per agreement between the Town of Tonawanda and 3M Company.

Note: The complete list of discharge limitations for dischargers to the Town Treatment Plant is contained in the Town's Local Law 2-2000. On the basis of the application and previous monitoring, parameters deemed applicable to this discharge have been excerpted and their limitations included above. The discharger should be aware that all other limitations apply and should consider all such limitations when considering process changes or plant modifications.

PART II - SPECIAL CONDITIONS/COMPLIANCE SCHEDULE

1. *The Industrial User shall develop, within 6 months of the effective date of this permit, an accidental spill prevention plan to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system, which could have an effect on the Town's treatment plant, sludge, or cause the Town to violate its SPDES permit.*

PART III - REPORTING REQUIREMENTS

1. *All Industries requiring submittal of self-monitoring reports (SMR's) must submit all laboratory reports on all discharge analysis from the location specified in this permit.If analysis are performed more frequently than required in this permit then those analysis must be submitted to this office.Whenever possible all lab analysis must be performed using a EPA specified method from "Guidelines Establishing Test Procedures for the Analysis under the Clean Water Act". Persons signing SMR's must be a responsible company official, ie; owner, corporate manager, or supervise more than two hundred fifty (250) employees. Any of the above may appoint a company representative to sign SMR's but written notice must be supplied to this office authorizing said employee to sign.*

The following statement will be required on all SMR's and baseline monitoring reports (BMR):

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violation."

2. *The Industrial User shall notify the Town immediately upon any accidental or slug discharge to the sanitary sewer system. Formal written notification discussing circumstances and remedies shall be submitted to the Town within 5 days of the occurrence.*

3. *The Industrial User shall notify the Town 30 days prior to the introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater being introduced into the POTW from the User's industrial processes.*

4. *Any upset experienced by the Industrial User of its treatment that places it in a temporary state of non-compliance with wastewater discharge limitations contained in this permit or other limitations specified in the Town's Ordinance shall be reported to the Town within 24 hours of first awareness of the commencement of the upset. Immediate resampling for the non-compliance pollutant shall begin. A detailed report shall be filed within 5 days.*

5. *The Industrial User is required to submit to the Town reports on the results of its sampling of the pollutants specified in Part I of this Permit. This report shall also contain estimated monthly flows.*

6. All reports shall be submitted to the following address by the 25th day of the month following the reporting period:

Paul Morrow, Pretreatment Coordinator
Wastewater Treatment Facility
779 Two Mile Creek Road
Tonawanda, New York 14150

PART IV - STANDARD CONDITIONS

1. *The Industrial User shall comply with all the general prohibitive discharge standards in Article IV of the Local Law 2-2000.*

a. *BOD 250 mg/l, SS 250 mg/l, P 6 mg/l are not to be construed as discharge limits of the above pollutants but as a baseline for generating abnormal sewer charges.*

2. RIGHT OF ENTRY

The Industrial User shall, after reasonable notification by the Town, allow the Town or its representatives, exhibiting proper credentials and identification, to enter upon the premises of the User, at all reasonable hours, for the purposes of inspection, sampling, or records inspection. Reasonable hours in the context of inspection and sampling includes any time the Industrial User is operating any process which results in a process wastewater discharge to the Town's sewerage system.

3. RECORDS RETENTION

The Industrial User shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and all summaries thereof, relating to monitoring, sampling and chemical analysis made by or in behalf of the User in connection with its discharge.

a) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Town shall be retained and preserved by the Industrial User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

4. CONFIDENTIAL INFORMATION

Except for data determined to be confidential under Article VII, Section 4 of the Town's Ordinance, all reports required by this permit shall be available for public inspection at the office of the Pretreatment Coordinator, Wastewater Treatment Facility, 779 Two Mile Creek Road, Tonawanda, New York 14150.

5. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the user shall record the following information:

a) The exact place, date and time of sampling;
b) The dates the analyses were performed;
c) The person(s) who performed the analyses;
d) The analytical techniques or methods used, and
e) The results of all required analyses.
f) Where sanitary sewer discharge is measured by a mechanical or electronic device, accuracy of device shall be certified correct every year by the manufacturer
g) Where sanitary sewer discharge is measured by percentage of consumed water, percentage shall be certified correct every two years by a licensed professional engineer .

6. DILUTION

No Industrial User shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit

7. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

8. TOXIC SUBSTANCES

All waters shall be maintained free of toxic substances in concentrations that are toxic to or produce detrimental physiological responses in human, plant, animal, or aquatic life.

9. REVOCATION OF PERMIT

The permit issued to the Industrial User by the Town may be revoked when after inspection, monitoring or analysis it is determined that the discharge of wastewater to the sanitary sewer is in violation of Federal, State, or local laws, ordinances, or regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form, shall be cause for permit revocation.

10. LIMITATIONS ON PERMIT TRANSFER

Transfer of permit. Industrial waste permits are issued to a specific user for a specific operation. In the event of any change in ownership of the industrial facility, the permittee shall notify the new owner of the existence of the permit by letter, a copy of which shall be forwarded to the Pretreatment Administrator 30 days prior to change of ownership. A new industrial waste permit must be issued to the new owner.

11. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendered any monitoring device or method inaccurate, may result in punishment under the criminal law of the Town, as well as being subjected to civil penalties and relief.

12. MODIFICATION OR REVISION OF THE PERMIT

a) The terms and conditions of this permit may be subject to modification by the Town at any time as limitations or requirements as identified the Town's Ordinance, are modified or other just cause exists.

b) This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.

c) The terms and conditions may be modified as a result of EPA promulgating a new federal Pretreatment standard.

d) Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance if necessary.

14. DUTY TO REAPPLY

The Town shall notify a User one hundred and eighty (180) days prior to the expiration of the User's Permit. Within ninety (90) days of the notification, the User shall reapply for re- issuance of the permit on a form provided by the Town.

15. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

16. LIMITATIONS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Federal, State or Local regulations.

18. ENFORCEMENT OF THE SEWER USE LAW AND PERMITS

The Town has developed and received USEPA approval of its Enforcement Response Plan which details the standard responses to be taken by the Town when it encounters various violations of the Sewer Use Law or the terms of this permit. Copies of this document are available at the office of the Pretreatment Administrator. Town of Tonawanda Sewer Use Ordinance 2-2000 Article VI 165-33 allows for punitive Administrative fines of up to $5,000 per day.

Permit No. 566

TOWN OF TONAWANDA

INDUSTRIAL SEWER CONNECTION PERMIT

Company Name: 3M Company
Division Name (if Applicable)

Mailing Address: 305 Sawyer Avenue
Street or P.O. Box
Tonawanda, NY 14150
City, State and Zip Code

Facility Address: 305 Sawyer Ave
Street or P.O. Box
Tonawanda, NY 14150
City, State and Zip Code

The above Industrial User is authorized to discharge industrial wastewater to the Town of Tonawanda sewer system in compliance with the Town's Sewer Use Ordinance Number 2-2000, any applicable provisions of Federal or State law or regulation, and in accordance with discharge point(s), effluent limitations, monitoring requirements, and other conditions set forth herein.

This permit is granted in accordance with the application filed on June 11, 2015 in the office of the Pretreatment Administrator, and in conformity with plans, specifications, and other data submitted to the Town in support of the above application.

Effective Date: September 1, 2015

Expiration Date: August 31, 2018

Permit No. 566

Date: 8/19/15 Signed: Paul K Morrow

Paul Morrow
Town of Tonawanda
Pretreatment Coordinator

Permit No. 566

Modified Date: 8/17/12

WASTEWATER STREAMS AUTHORIZED FOR DISCHARGE

WASTEWATER STREAM	APPROXIMATE FLOW(GPD)	YES	NO
A. Sanitary Discharge	500	x	
B. Cooling Water	110,000	x	
C. Boiler Blowdown	30,000	x	
D. Process Wastewater	635,000	x	
E. Laboratory Drains	500	x	
F. Water Treatment	150,000	x	

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of: ***September 1, 2015***

MONITORING LOCATION: Sampling/Monitoring Station GPS Coordinates 42.9765, -789117
SAMPLE TYPE: 24 hour Composite except for SGT- HEM, HEM, Temperature, and pH which will be grabs

PARAMETERS	SAMPLE FREQUENCY	LIMIT	PURPOSE
pH	Monthly	5.0-9.5 SU	Compliance
Hexane Extractable Materials	"	300 mg/l	"
SGT- HEM	"	100 mg/l	"
Biochemical Oxygen Demand	"	250 mg/l	Surcharge
Total Suspended Solids	"	"	"
Total Phosphorus	"	6.0 mg/l	"
Chemical Oxygen Demand	"	---	Interference[1]
Total Chrome	Every 6 Months	5.2 mg/l	Compliance[2]
Total Nickel	"	5.0 mg/l	Compliance[2]
Priority Pollutant Volatiles including Acrolein and Acrylonitrile	"	---	Compliance[2]
Priority Pollutant Semivolatiles	"	---	Compliance[2]
Temperature (field)	Monthly	150°F	Compliance

SGT- HEM= Silica Gel Treated Hexane Extractable Materials

Note: The complete list of discharge limitations for dischargers to the Town Treatment Plant is contained in the Town's Local Law 2-2000. On the basis of the application and previous monitoring, parameters deemed applicable to this discharge have been excerpted and their limitations included above. The discharger should be aware that all other limitations apply and should consider all such limitations when considering process changes or plant modifications.

PART II - SPECIAL CONDITIONS/COMPLIANCE SCHEDULE

1. *The Industrial User shall develop, within 6 months of the effective date of this permit, an accidental spill prevention plan to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system, which could have an effect on the Town's treatment plant, sludge, or cause the Town to violate its SPDES permit.*

PART III - REPORTING REQUIREMENTS

1. *All Industries requiring submittal of self-monitoring reports (SMR's) must submit all laboratory reports on all discharge analysis from the location specified in this permit.If analysis are performed more frequently than required in this permit then those analysis must be submitted to this office.Whenever possible all lab analysis must be performed using a EPA specified method from "Guidelines Establishing Test Procedures for the Analysis under the Clean Water Act". Persons signing SMR's must be a responsible company official, ie; owner, corporate manager, or supervise more than two hundred fifty (250) employees. Any of the above may appoint a company representative to sign SMR's but written notice must be supplied to this office authorizing said employee to sign.*

The following statement will be required on all SMR's and baseline monitoring reports (BMR):

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violation."

2. *The Industrial User shall notify the Town immediately upon any accidental or slug discharge to the sanitary sewer system. Formal written notification discussing circumstances and remedies shall be submitted to the Town within 5 days of the occurrence.*

3. *The Industrial User shall notify the Town 30 days prior to the introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater being introduced into the POTW from the User's industrial processes.*

4. *Any upset experienced by the Industrial User of its treatment that places it in a temporary state of non-compliance with wastewater discharge limitations contained in this permit or other limitations specified in the Town's Ordinance shall be reported to the Town within 24 hours of first awareness of the commencement of the upset. Immediate resampling for the non-compliance pollutant shall begin. A detailed report shall be filed within 5 days.*

5. *The Industrial User is required to submit to the Town reports on the results of its sampling of the pollutants specified in Part I of this Permit. This report shall also contain monthly flows.*

6. All reports shall be submitted to the following address by the 25th day of the month following the reporting period:

Paul Morrow, Pretreatment Coordinator
Wastewater Treatment Facility
779 Two Mile Creek Road
Tonawanda, New York 14150

PART IV - STANDARD CONDITIONS

1. *The Industrial User shall comply with all the general prohibitive discharge standards in Article IV of the Local Law 2-2000.*

a. *BOD 250 mg/l, SS 250 mg/l, P 6 mg/l are not to be construed as discharge limits of the above pollutants but as a baseline for generating abnormal sewer charges.*

2. RIGHT OF ENTRY

The Industrial User shall, after reasonable notification by the Town, allow the Town or its representatives, exhibiting proper credentials and identification, to enter upon the premises of the User, at all reasonable hours, for the purposes of inspection, sampling, or records inspection. Reasonable hours in the context of inspection and sampling includes any time the Industrial User is operating any process which results in a process wastewater discharge to the Town's sewerage system.

3. RECORDS RETENTION

The Industrial User shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and all summaries thereof, relating to monitoring, sampling and chemical analysis made by or in behalf of the User in connection with its discharge.

a) *All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Town shall be retained and preserved by the Industrial User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.*

4. CONFIDENTIAL INFORMATION

Except for data determined to be confidential under Article VII, Section 4 of the Town's Ordinance, all reports required by this permit shall be available for public inspection at the office of the Pretreatment Coordinator, Wastewater Treatment Facility, 779 Two Mile Creek Road, Tonawanda, New York 14150.

5. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the user shall record the following information:

a) The exact place, date and time of sampling;
b) The dates the analyses were performed;
c) The person(s) who performed the analyses;
d) The analytical techniques or methods used, and
e) The results of all required analyses.
f) Where sanitary sewer discharge is measured by a mechanical or electronic device, accuracy of device shall be certified correct every year by the manufacturer
g) Where sanitary sewer discharge is measured by percentage of consumed water, percentage shall be certified correct every two years by a licensed professional engineer .

6. DILUTION

No Industrial User shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit

7. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

8. TOXIC SUBSTANCES

All waters shall be maintained free of toxic substances in concentrations that are toxic to or produce detrimental physiological responses in human, plant, animal, or aquatic life.

9. REVOCATION OF PERMIT

The permit issued to the Industrial User by the Town may be revoked when after inspection, monitoring or analysis it is determined that the discharge of wastewater to the sanitary sewer is in violation of Federal, State, or local laws, ordinances, or regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form, shall be cause for permit revocation.

10. LIMITATIONS ON PERMIT TRANSFER

Transfer of permit. Industrial waste permits are issued to a specific user for a specific operation. In the event of any change in ownership of the industrial facility, the permittee shall notify the new owner of the existence of the permit by letter, a copy of which shall be forwarded to the Pretreatment Administrator 30 days prior to change of ownership. A new industrial waste permit must be issued to the new owner.

11. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendered any monitoring device or method inaccurate, may result in punishment under the criminal law of the Town, as well as being subjected to civil penalties and relief.

12. MODIFICATION OR REVISION OF THE PERMIT

a) The terms and conditions of this permit may be subject to modification by the Town at any time as limitations or requirements as identified the Town's Ordinance, are modified or other just cause exists.

b) This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.

c) The terms and conditions may be modified as a result of EPA promulgating a new federal Pretreatment standard.

d) Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance if necessary.

Permit No: 566
Modified Date: 8/17/12

14. DUTY TO REAPPLY

The Town shall notify a User one hundred and eighty (180) days prior to the expiration of the User's Permit. Within ninety (90) days of the notification, the User shall reapply for re- issuance of the permit on a form provided by the Town.

15. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

16. LIMITATIONS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Federal, State or Local regulations.

18. ENFORCEMENT OF THE SEWER USE LAW AND PERMITS

The Town has developed and received USEPA approval of its Enforcement Response Plan which details the standard responses to be taken by the Town when it encounters various violations of the Sewer Use Law or the terms of this permit. Copies of this document are available at the office of the Pretreatment Administrator. Town of Tonawanda Sewer Use Ordinance 2-2000 Article VI 165-33 allows for punitive Administrative fines of up to $5,000 per day.

19. ADDITIONAL SPECAIL CONDITIONS

1. ***Disposal of Concentrated Zinc Wastes***
Concentrated zinc wastes shall not be discharged to the sewer system but shall be shipped to off-site disposal. Documentation of disposal manifests are to made available upon request to the Pretreatment Administrator.

2. All permittees discharging process wastewaters or concentrated deionizer backwash waters shall maintain on file with the pretreatment office, an accidental spill prevention plan to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system, which could have an effect on the Town's treatment plant, sludge, or cause the Town to violate its SPDES permit. Such Slug discharge plans shall be reviewed and updated as necessary every three years upon permit renewal, or sooner if a new wastestream is introduced into the sewer system.

Footnotes from page 2

Footnote 1-Quaternary Ammonium compounds can interfere with BOD analysis

Footnote 2- The Town of Tonawanda Wastewater Treatment Plant SPDES permit states that the Pretreatment Program will, " Require through Permits each SIU to collect one 24 hour flow proportioned sample composite (where feasible) effluent sample every six months and analyze each of those samples for all priority pollutants that can reasonably be expected to be detectable in that discharge at levels greater than level found in domestic sewage." Upon historical data review and review of your Industrial Waste Questionnaire analysis marked with this footnote were added to your permit to comply with our SPDES permit.

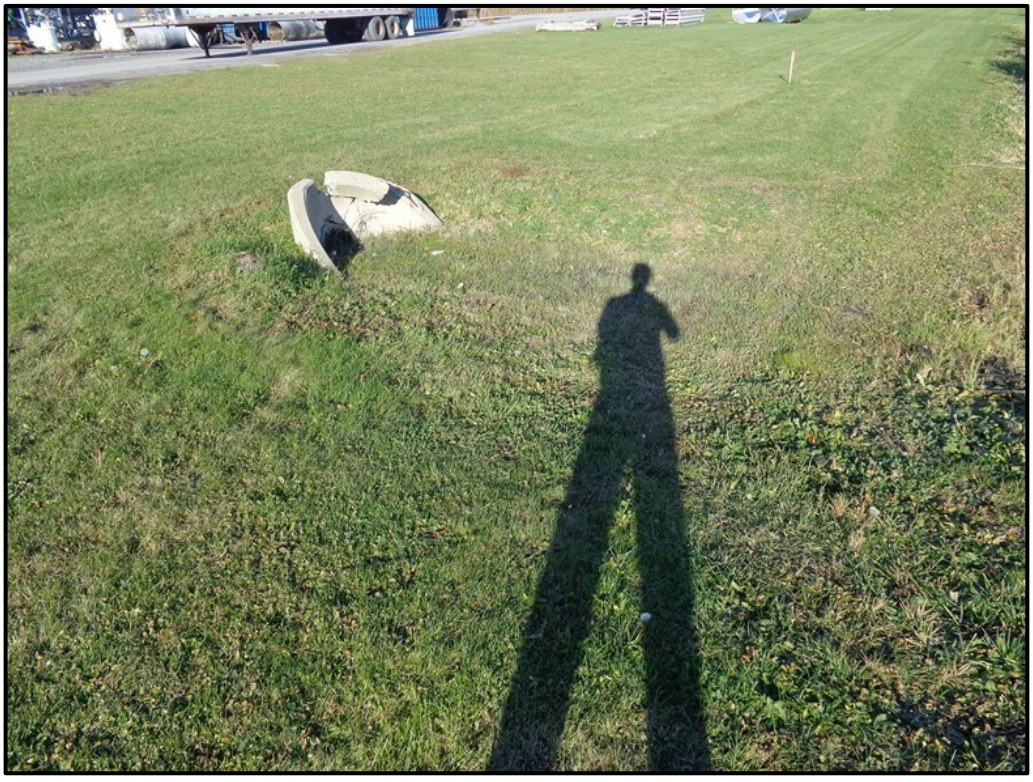
ATTACHMENT A
SITE PHOTOGRAPHS – NOVEMBER 9, 2015

Groundwater Monitoring Well

Catch Basin, Swale and Fencing

Lysimeter

Drainage Collection



ATTACHMENT B
WELL PURGING/SAMPLING FORMS
AND LABORATORY ANALYTICAL PACKAGES
APRIL 2015 AND NOVEMBER 2015 SAMPLING EVENTS

WELL PURGING/SAMPLING FORMS

WESTON SOLUTIONS
Restoring Resource Efficiency

Well Evacuation/Sampling Form

SITE INFORMATION TONAWANDA	4/29/15
Well No.: MW-04	Weather: Sunny Cloudy Rain Temp: 55
Sampling Team: Greg Flasiusk?	Sampler's Signature:

WELL INFORMATION

Protective Casing: Intact / Damaged	Concrete Base: Intact / Damaged
Locked: YES / NO	Well Diameter: 4"

WELL EVACUATION INFORMATION

A. Total Depth (Top of Casing = TOC):	72.90
B. Depth to Water (DTW) (TOC):	-31.27
C. Column of Standing Water (C=A-B):	41.63
D. Purge Factor	x 0.16
E. One Well Volume:	6.6
F. Three Well Volumes (gallons): **Sampled using LOW-FLOW**	19.8

Well Evacuation Method
- (✓) BAILER
- ( ) 2-Inch Grundfos
- ( ) Peristaltic Pump
- ( ) Other (Specify) _____

TOTAL VOLUME PURGED: 20

INDICATOR PARAMETERS

Time	1249	1259	1309	1339					
Purge Rate (gal. per minute)									
Total Gallons Purged									
Temperature (°C):	14.5	13.8	13.7	13.9					
Specific Conductivity (s):	354.0	829	2864	2885					
pH:	9.95	10.80	10.68	8.62					
SECONDARY PARAMETERS									
ORP (mV):	—	—	—	—					
Dissolved Oxygen (mg/L):	—	—	—	—					
Turbidity:	64.2	178	85.8	80.0					

NAPL Observed: YES / (NO)
ODOR: YES / (NO)
Odor Type: ( ) Solvent (-) Septic ( ) Other
Well Pumped Dry: YES / (NO)
Other:

SAMPLE COLLECTION INFORMATION **SAMPLE DATE:** 4/29/15

Sample No.	Time	Sample No.	Time
Media Sample ID: MW-04		Rinsate Blank: YES / (NO)	
Duplicate: (YES) / NO MW-04		Field Blank: YES / (NO)	

Parameters: (✓) ~~8260 VOC~~ CS_2 ( ) Fluorides
( ) Chlorides
( ) TDS
( ) Metals (Total RCRA) Non-filtered
( ) Metals (Total RCRA) Filtered

Also sampled for:

COMMENTS

CS_2 (5ppb)

Well Pumped Dry: YES / (NO)
Volume Purged: 20
Well Requires Maintenance? YES / (NO)
Access Requires Maintenance? YES / (NO)

Purge Factors: 1" (0.04); 2" (0.16); 3" (0.37); 4" (0.65); 6" (1.47); 8" (2.61); 10" (4.08)

Well Evacuation/Sampling Form

SITE INFORMATION	TONAWANDA		11/3/15
Well No.:	MW-4	Weather: (Sunny) Cloudy Rain	Temp: 60°
Sampling Team:	Greg Flasiusko	Sampler's Signature:	

WELL INFORMATION

Protective Casing:	Intact / Damaged	Concrete Base:	(Intact) / Damaged
Locked:	(YES) / NO	Well Diameter:	2"

WELL EVACUATION INFORMATION

A. Total Depth (Top of Casing = TOC):	72.90	Well Evacuation Method (✓) BAILER ( ) 2-Inch Grundfos ( ) Peristaltic Pump ( ) Other (Specify)
B. Depth to Water (DTW) (TOC):	-31.72	
C. Column of Standing Water (C=A-B):	41.18	
D. Purge Factor	x .16	
E. One Well Volume:	6.5	
F. Three Well Volumes (gallons): **Sampled using LOW-FLOW**	19.5	**TOTAL VOLUME PURGED:** 20

INDICATOR PARAMETERS

Time	1205	1220	1230	1241					
Purge Rate (gal. per minute)									
Total Gallons Purged									
Temperature (°C):	13.7	13.3	13.0	12.8					
Specific Conductivity (s):	1717	1778	3284	3374					
pH:	6.83	11.60	8.50	8.42					
SECONDARY PARAMETERS									
ORP (mV):									
Dissolved Oxygen (mg/L):									
Turbidity:	27.4	31.8	136.4	76.4					

NAPL Observed: YES / (NO)	**Well Pumped Dry: YES / (NO)**
ODOR: YES / (NO)	**Other:**
Odor Type: ( ) Solvent ( ) Septic ( ) Other	

SAMPLE COLLECTION INFORMATION **SAMPLE DATE:** 11/3/15

Sample No.	Time	Sample No.	Time
Media Sample ID: MW-4	1245	Rinsate Blank: (YES) / NO FB-MW-4	1230
Duplicate: (YES) / NO MW-4 Dup	1245	Field Blank: YES / NO	

Parameters: (✓) ~~8260 VOC~~ CS_2 ( ) Fluorides
( ) Chlorides
( ) TDS
( ) Metals (Total RCRA) Non-filtered
( ) Metals (Total RCRA) Filtered

Also sampled for:

COMMENTS

CS_2 Only
5 ppb

Well Pumped Dry: YES / (NO)
Volume Purged: 20
Well Requires Maintenance? YES / (NO)
Access Requires Maintenance? YES / (NO)

Purge Factors: 1" (0.04); 2" (0.16); 3" (0.37); 4" (0.65); 6" (1.47); 8" (2.61); 10" (4.08)

LABORATORY ANALYTICAL PACKAGES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-79378-1
Client Project/Site: 3M Tonawanda
Sampling Event: 3M Tonawanda, NY - Semi-Annual Monit.

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Mr. Tom Drew

Joseph V. Giacomazza

Authorized for release by:
5/12/2015 8:57:10 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

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

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

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

Table of Contents

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Job ID: 480-79378-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-79378-1

Receipt
The samples were received on 4/29/2015 2:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.8º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LY-02 (480-79378-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-79378-1

No Detections.

Client Sample ID: LY-02 — Lab Sample ID: 480-79378-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	200000		40000	1500	ug/L	8000		8260C	Total/NA

Client Sample ID: FB-MW-04 — Lab Sample ID: 480-79378-3

No Detections.

Client Sample ID: MW-04 — Lab Sample ID: 480-79378-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.48	J	5.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: MW-04 DUP — Lab Sample ID: 480-79378-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank

Lab Sample ID: 480-79378-1
Matrix: Water
Date Collected: 04/29/15 11:30
Date Received: 04/29/15 14:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/06/15 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*05/06/15 22:08*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*05/06/15 22:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/06/15 22:08*	*1*

Client Sample ID: LY-02

Lab Sample ID: 480-79378-2
Matrix: Monitor Well
Date Collected: 04/29/15 13:15
Date Received: 04/29/15 14:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**200000**		40000	1500	ug/L			05/06/15 22:32	8000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*05/06/15 22:32*	*8000*
Toluene-d8 (Surr)	*96*		*71 - 126*		*05/06/15 22:32*	*8000*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/06/15 22:32*	*8000*

Client Sample ID: FB-MW-04

Lab Sample ID: 480-79378-3
Matrix: Monitor Well
Date Collected: 04/29/15 13:30
Date Received: 04/29/15 14:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/06/15 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*05/06/15 22:56*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*05/06/15 22:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/06/15 22:56*	*1*

Client Sample ID: MW-04

Lab Sample ID: 480-79378-4
Matrix: Monitor Well
Date Collected: 04/29/15 13:45
Date Received: 04/29/15 14:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.48**	**J**	5.0	0.19	ug/L			05/06/15 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*05/06/15 23:19*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*05/06/15 23:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/06/15 23:19*	*1*

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Client Sample ID: MW-04 DUP
Date Collected: 04/29/15 13:45
Date Received: 04/29/15 14:50

Lab Sample ID: 480-79378-5
Matrix: Monitor Well

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/06/15 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*05/06/15 23:43*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*05/06/15 23:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/06/15 23:43*	*1*

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Monitor Well **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-79378-2	LY-02	95	96	102
480-79378-3	FB-MW-04	94	94	99
480-79378-4	MW-04	97	98	103
480-79378-5	MW-04 DUP	98	99	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-79378-1	Trip Blank	96	97	101
LCS 480-240901/5	Lab Control Sample	91	93	93
MB 480-240901/7	Method Blank	95	94	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-240901/7
Matrix: Water
Analysis Batch: 240901

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			05/06/15 21:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*05/06/15 21:07*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*05/06/15 21:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/06/15 21:07*	*1*

Lab Sample ID: LCS 480-240901/5
Matrix: Water
Analysis Batch: 240901

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*93*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

GC/MS VOA

Analysis Batch: 240901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-79378-1	Trip Blank	Total/NA	Water	8260C	
480-79378-2	LY-02	Total/NA	Monitor Well	8260C	
480-79378-3	FB-MW-04	Total/NA	Monitor Well	8260C	
480-79378-4	MW-04	Total/NA	Monitor Well	8260C	
480-79378-5	MW-04 DUP	Total/NA	Monitor Well	8260C	
LCS 480-240901/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-240901/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Client Sample ID: Trip Blank
Lab Sample ID: 480-79378-1
Matrix: Water
Date Collected: 04/29/15 11:30
Date Received: 04/29/15 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	240901	05/06/15 22:08	NQN	TAL BUF

Client Sample ID: LY-02
Lab Sample ID: 480-79378-2
Matrix: Monitor Well
Date Collected: 04/29/15 13:15
Date Received: 04/29/15 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8000	240901	05/06/15 22:32	NQN	TAL BUF

Client Sample ID: FB-MW-04
Lab Sample ID: 480-79378-3
Matrix: Monitor Well
Date Collected: 04/29/15 13:30
Date Received: 04/29/15 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	240901	05/06/15 22:56	NQN	TAL BUF

Client Sample ID: MW-04
Lab Sample ID: 480-79378-4
Matrix: Monitor Well
Date Collected: 04/29/15 13:45
Date Received: 04/29/15 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	240901	05/06/15 23:19	NQN	TAL BUF

Client Sample ID: MW-04 DUP
Lab Sample ID: 480-79378-5
Matrix: Monitor Well
Date Collected: 04/29/15 13:45
Date Received: 04/29/15 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	240901	05/06/15 23:43	NQN	TAL BUF

Laboratory References:

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-79378-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-79378-1	Trip Blank	Water	04/29/15 11:30	04/29/15 14:50
480-79378-2	LY-02	Monitor Well	04/29/15 13:15	04/29/15 14:50
480-79378-3	FB-MW-04	Monitor Well	04/29/15 13:30	04/29/15 14:50
480-79378-4	MW-04	Monitor Well	04/29/15 13:45	04/29/15 14:50
480-79378-5	MW-04 DUP	Monitor Well	04/29/15 13:45	04/29/15 14:50

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Western Solutions	Tom Drew	4/29/15	284679
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1410 Western Way	610.701.3500		
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**	**Analysis (Attach list if more space is needed)**	
W Chester / PA / 19380	Greg Flasinski 610.701.0583 / Brian Fisher		
Project Name and Location (State)	**Carrier/Waybill Number**		
Tonawanda, NY	Sally Hoffman		
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	CH	Special Instructions/ Conditions of Receipt
Trip Blank	4/29/15	1130		✓						3			✓	CSx Only
LY-02		1315		✓						3			✓	
FB-MW-04		1330		✓						3			✓	6 ppb
MW-04		1345		✓						3			✓	
MW-04 DUP		1345		✓						3			✓	Detection
														Limit

480-79378 Chain of Custody

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)

	Relinquished By	Date	Time	Received By	Date	Time
1.		4/29/15	1450	TA BUFF	4/29/15	1450
2.						
3.						

Comments

#1 5.8

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

Page 15 of 16

5/12/2015

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 480-79378-1

Login Number: 79378
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-90375-1
Client Project/Site: 3M Tonawanda
Sampling Event: 3M Tonawanda, NY - Semi-Annual Monit.

For:
Weston Solutions, Inc.
1400 Weston Way
PO BOX 2653
West Chester, Pennsylvania 19380

Attn: Mr. Tom Drew

Joseph V. Giacomazza

Authorized for release by:
11/16/2015 10:42:51 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Job ID: 480-90375-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-90375-1

Receipt
The samples were received on 11/3/2015 1:42 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-90375-1

No Detections.

Client Sample ID: FB-MW-4 — Lab Sample ID: 480-90375-2

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 480-90375-3

No Detections.

Client Sample ID: MW-4 DUP — Lab Sample ID: 480-90375-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank

Lab Sample ID: 480-90375-1
Matrix: Water
Date Collected: 11/03/15 11:00
Date Received: 11/03/15 13:42

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/13/15 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*11/13/15 15:03*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/13/15 15:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/13/15 15:03*	*1*

Client Sample ID: FB-MW-4

Lab Sample ID: 480-90375-2
Matrix: Water
Date Collected: 11/03/15 12:30
Date Received: 11/03/15 13:42

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/13/15 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*11/13/15 15:48*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*11/13/15 15:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/13/15 15:48*	*1*

Client Sample ID: MW-4

Lab Sample ID: 480-90375-3
Matrix: Water
Date Collected: 11/03/15 12:45
Date Received: 11/03/15 13:42

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/14/15 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/14/15 00:20*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/14/15 00:20*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/14/15 00:20*	*1*

Client Sample ID: MW-4 DUP

Lab Sample ID: 480-90375-4
Matrix: Water
Date Collected: 11/03/15 12:45
Date Received: 11/03/15 13:42

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/13/15 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*11/13/15 16:34*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*11/13/15 16:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/13/15 16:34*	*1*

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-90375-1	Trip Blank	107	100	99
480-90375-2	FB-MW-4	109	105	101
480-90375-3	MW-4	104	100	98
480-90375-4	MW-4 DUP	101	98	96
LCS 480-274827/5	Lab Control Sample	102	107	109
LCS 480-274999/4	Lab Control Sample	101	101	104
MB 480-274827/7	Method Blank	104	100	102
MB 480-274999/6	Method Blank	104	102	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-274827/7
Matrix: Water
Analysis Batch: 274827

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/13/15 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/13/15 11:40*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/13/15 11:40*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/13/15 11:40*	*1*

Lab Sample ID: LCS 480-274827/5
Matrix: Water
Analysis Batch: 274827

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*

Lab Sample ID: MB 480-274999/6
Matrix: Water
Analysis Batch: 274999

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.19	ug/L			11/13/15 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/13/15 21:50*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*11/13/15 21:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/13/15 21:50*	*1*

Lab Sample ID: LCS 480-274999/4
Matrix: Water
Analysis Batch: 274999

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	25.0	26.3		ug/L		105	59 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

GC/MS VOA

Analysis Batch: 274827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90375-1	Trip Blank	Total/NA	Water	8260C	
480-90375-2	FB-MW-4	Total/NA	Water	8260C	
480-90375-4	MW-4 DUP	Total/NA	Water	8260C	
LCS 480-274827/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274827/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 274999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90375-3	MW-4	Total/NA	Water	8260C	
LCS 480-274999/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274999/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Client Sample ID: Trip Blank
Lab Sample ID: 480-90375-1
Date Collected: 11/03/15 11:00
Matrix: Water
Date Received: 11/03/15 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274827	11/13/15 15:03	JWG	TAL BUF

Client Sample ID: FB-MW-4
Lab Sample ID: 480-90375-2
Date Collected: 11/03/15 12:30
Matrix: Water
Date Received: 11/03/15 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274827	11/13/15 15:48	JWG	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-90375-3
Date Collected: 11/03/15 12:45
Matrix: Water
Date Received: 11/03/15 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274999	11/14/15 00:20	LCH	TAL BUF

Client Sample ID: MW-4 DUP
Lab Sample ID: 480-90375-4
Date Collected: 11/03/15 12:45
Matrix: Water
Date Received: 11/03/15 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274827	11/13/15 16:34	JWG	TAL BUF

Laboratory References:

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

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: 3M Tonawanda

TestAmerica Job ID: 480-90375-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90375-1	Trip Blank	Water	11/03/15 11:00	11/03/15 13:42
480-90375-2	FB-MW-4	Water	11/03/15 12:30	11/03/15 13:42
480-90375-3	MW-4	Water	11/03/15 12:45	11/03/15 13:42
480-90375-4	MW-4 DUP	Water	11/03/15 12:45	11/03/15 13:42

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAme
THE LEADER IN ENVIRONME

480-90375 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
~~3M~~ Weston Solutions	Tom Drew	11/3/15	292314
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1410 Weston Way	610.701.3677		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
WChester / PA / 19380	Greg Flasinski	Judy Stone	
Project Name and Location (State)	**Carrier/Waybill Number**		
3M Tonawanda	610.721.0583		
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	CS2	Special Instructions/ Conditions of Receipt
Trip Blank	11/3/15	1100		✓						3			✓	ACS2 * Only 5 ppb detection
FB-MW-4		1230		✓						3			✓	
MW-4		1245		✓						3			✓	
MW-4 Dup		1245		✓						3			✓	

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)

	Relinquished By	Date	Time	Received By	Date	Time
1.		11/3/15	1342		11/3/15	1342
2.						
3.						

Comments

#15.0

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

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 480-90375-1

Login Number: 90375
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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