



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. 734031		
Site Name Van Buren Town Landfill		
Site Address: Kingdom Road Zip Code: 13027		
City/Town: Van Buren		
County: Onondaga		
Site Acreage: 20.000		
Reporting Period: February 14, 2023 to February 14, 2026		
		YES NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
042.-01-03.1	Jason Hoy, Town Engineer	
		O&M Plan
42-01-04	Jason Hoy, Town Engineer	
		O&M Plan

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
042.-01-03.1	Cover System Fencing/Access Control Alternate Water Supply
	Landfill cap, fence, and individual potable water systems.
42-01-04	Cover System Alternate Water Supply Fencing/Access Control
	Landfill cap, fence, and individual potable water systems.

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 Engineering Control 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 complete.

YES NO

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The 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. 734031

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 WENDY VANDER WATER at 7575 VAN BUREN RD, BALDWINSVILLE, NY 13027,
print name print business address

am certifying as TOWN SUPERVISOR, OWNER (Owner or Remedial Party)

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

Wendy Vander Water
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

3-10-26
Date

EC CERTIFICATIONS

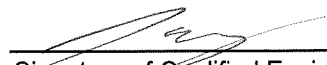
Box 7

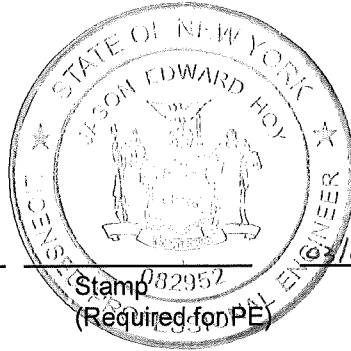
Qualified Environmental Professional Signature

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 Jason E. Hoy, P.E. at 7575 VANBUREN RD, BALDWINVILLE NY 13027,
print name print business address

am certifying as a Qualified Environmental Professional for the OWNER
(Owner or Remedial Party)


Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



02/06/2026
Date

Stamp
(Required for PE)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7519, (315) 426-7551
www.dec.ny.gov

October 2, 2023

C&S Companies
Attn.: Brian Bayer
499 Col. Eileen Collins Blvd
Syracuse, New York 13212
engineer@townofvanburen.com

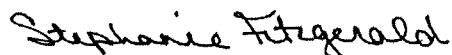
Re: Van Buren Town Landfill, Site ID No. 734031
Van Buren, Onondaga County
Change of Use – Work Plan

Dear Brian Bayer:

The New York State Department of Environmental Conservation (NYSDEC) has completed its review of the site Change of Use Work Plan – Solar PV Array (Work Plan), submitted on August 8, 2023, revised September 26, 2023, for the Town of Van Buren Landfill site. The previous comments have been addressed and the Work Plan is acceptable.

If you have any questions, please do not hesitate to contact me at 315-426-7525 or stephanie.fitzgerald@dec.ny.gov.

Sincerely,



Stephanie Fitzgerald
Project Manager

ec: Rick Zaccaria (Town of Van Buren)
Michael Frateschi (TJA-NY-Van Buren Solar Farm, LLC)
Lynn McCormick (Town of Van Buren)
Christopher Perdue (Town of Van Buren)
Gary Priscott (NYSDEC)

Planning/Zoning Board of the Town of Van Buren, 7575 Van Buren Rd, Baldwinsville, New York, held on January 10, 2023 at 6:00 p.m.

Those present joined in the Pledge Allegiance to the Flag.

Roll Call:	James Virginia	present
	Jamie Bowes	present
	Roger Roman	present
	Claude Sykes	present
	Joe Cavender	present
	Mark Budosh	present
	Jim Schanzenbach	present

Also Present: Nadine Bell, Town Attorney
Jason Hoy, Town Engineer
April Herrick, Codes Clerk

MINUTES

Motion made by Chairman Budosh to approve the January 10, 2023 meeting minutes with corrections as suggested by the Board Members. Seconded by Mr. Roman. All in favor, motion carried.

- **TJA Clean Energy – TJA-NY-Van Buren Solar Farm, LLC, 1320 Kingdom Rd, Baldwinsville, NY 13027 Site Area Variance, Special Use Permit and Site Plan review located in AR80 Zoning District, Tax Map ID#042.-01-03.1**

Michael Frateschi, PE addressed the board stating there are no updates nor changes being requested at this time.

Chairman Budosh asked what they are looking for regarding the Area Variance.

Mr. Frateschi stated variance they are seeking is a change to the setbacks on the western, eastern and southern sides of the site. The fence on the western side of the site is on the neighbor’s property and it needs to be moved onto Town property for liability reasons. TJA is looking to reduce the western side yard setback from 100 feet to 20 feet. Plus, they are requesting a variance for the eastern boundary from 100 feet to 58 feet and for the rear yard setback (southern boundary) from 100 feet to 55 feet.

Mr. Schanzenbach asked if TJA is seeking the Area Variance tonight but not a Site Plan Approval. Mr. Frateschi stated yes, they are seeking the Area Variance, the Site Plan approval and the Special Use Permit.

TJA cannot move forward on any building permit or construction on this project without a Change In Use permit, which is controlled by the DEC. If the Town did consider that we could do a Special Use Permit approval in addition to the area variance, it would be of help. As for the Special Use Permit (SUP), they would be fine with the Town conditioning the SUP approval that TJA must follow all DEC guidance so that they can move forward with a building permit without having the DEC approval for the Change In Use Permit at this time would help. If the town is not comfortable moving forward with that, we will get the Change in Use Permit and will then return

seeking the Special Use Permit. Regarding the Change in Use are this working through the DEC approval process and are working to respond with the extensive information packet as requested by the DEC.

Based upon the prior discussion with Chair and Vice Chair, before the Planning Board tonight is one resolution based on the potential for the Board to act on the Area Variance, Site Plan, and/or Special Use Permit applications or any combination of the three items. The resolution addresses the applications, identifies the materials submitted in support of the applications, and contains the recommendations from Onondaga County Planning for all 3 applications. The resolution as presented acknowledges that although during the 11/15/22 Public Hearing it appeared that the Board made a SEQRA determination but Mrs. Bell believes that SEQR was not completed so it is included in this resolution. Tonight's resolution states that the Planning Board is completing the SEQR determination by issuing a negative declaration and acknowledging that there are any environmental concerns with what has been proposed because this property is the site of a closed Town Landfill which currently requires continuing monitoring obligations. The resolution first addresses the exact Area Variances requested as stated earlier in the applicant's opening remarks. Paragraph three addresses required review of the Special Use Permit criteria as per Town Code Section 200-93.

Additionally, the resolution addresses that the Site Plan approval up for consideration is consistent with previous solar projects in that it wraps up and acknowledges all Site Plan documents are listed and identified and that the conditions stated in the resolution regarding Site Plan approval relate to the Special Use Permit. The Special Use Permit approval is based upon the completion and adherence of the following conditions:

- 01: Review and approval by the Town's engineer of the submitted SWPPP plan;
- 02: Submission of a revised Decommissioning Plan adhering to the conditions and concerns stated by the Planning Board. The revised decommissioning plan is to be submitted for review and approval to me (Attorney Bell) with the bond for the decommissioning in the amount of 150% of construction costs.

Mr. Schanzenbach asked Mr. Frateschi that if the site plan construction documents are still being formulated, what Site Plan would the Planning Board be approving? Mr. Frateschi stated that the Site Plan itself is not going to change much from what is seen here. This plan outlines the wire management system, how to build a foundation on landfill cap, where we are going to put the ballast, and how the gravel access road is going to be done on the cap. Any changes by DEC should be minor modifications from DEC. Me. Frateschi stated that in trying to think through how the Site Plan can be approved could include that if any material modifications are required by DEC, that the Site Plan would have to come back for an amendment review and another approval. Attorney Bell responded stating that the suggested conditioning language is a given and can certainly be added. Just to be clear, Attorney Bell stated the documents she has on the Site Plan references, are dated 10/28/22. She wants to be sure that all members have Site Plan drawings dated 10/28/22 and that there are no more recently dated site plans with modifications. Chairman Budosh responded to Mrs. Bell that his Site Plan is also dated 10/28/22. Chairman Budosh said they have not seen a new set of plans since the plans presented in October 2022. Me. Frateschi, stated he does not think anything has changed since the October 22 submissions.

Attorney Bell stated that she acknowledges the receipt of the photo simulations, the Decommissioning Plan and the SWPPP from December of 2022. Chairman Budosh asked Mrs. Bell if the Board can approve the Site Plan with the condition of DEC's approval with any

additional details being required without going back through the review and comments from the Board. Attorney Bell said there is a possibility that through the DEC review process there may be changes to the Site Plan. Mr. Frateschi states that DEC looks far closer at the construction than it does the site final plans etc. and whatever equipment, changes are possible. Attorney Bell asked Mr. Frateschi what is the DEC's projected review completion date? Mr. Frateschi said the time frame would probably be three months or more.

Chairman Budosh asked the Board if there were any comments regarding the Area Variance and Site Plan as they were reviewed several months ago. Mr. Bowes/Virginia stated that if you are he is not comfortable approving the present site plan "draft" knowing that it can possibly be modified in the upcoming three-four months during the DEC review. Basically the Board would be approving a draft and potentially having to review and approve an amended plan in the coming months. Per Mr. Bowes Virginia stated he believed that in the past they have required this information ahead of time when issuing a Special Permit or Variance that was needed.

Per Attorney Bell, what the applicant truly needs tonight is the Area Variance and she would recommend to proceed on the Area Variance application. This way if the board has any concerns, whether it is the sufficiency or the language in the Decommissioning Plan, or if there are modifications to the Site Plans, then the Site Plan only has to go through the review process once vs twice. This allows TJA to move forward with the DEC approvals and most likely the plan that you will be approving will be in its final form as for something unforeseen. What you can do this evening is remove paragraphs 3, 4, 5 and 7 from the resolution. When making the resolution, the Chair should still reference all the Site Plan documents that have been received and considered as part of the process. You are not approving those documents but you are acknowledging that the documents are part of the materials already submitted and it helps to document the more complete and thorough review that has been performed. With the limited resolution, the Chair only needs to announce that Onondaga County Planning Response Z-22-239 is applicable. County Planning responses 337 and 338 and the recommended modifications would be removed and the recommended modifications would stay the same. SEQR will still be included.

Mr. Bowes/Virginia addressed Mr. Frateschi that they came in initially requesting three variances and you said east variance is 42 feet and I thought there are 100-foot setbacks on the East, West and South boundaries. Ms. Bell stated the application only referenced one variance. Ms. Bell asked for clarification and after discussion she stated the revision to the resolution regarding the variance would need to read: to reduce the side yard setback along the western boundary from 100 feet to 20 feet (requiring 80 feet of relief), the side yard setback along the eastern boundary from 100 feet to 58 feet (requiring 42 feet of relief), and the rear yard setback along the southern boundary from 100 feet to 55 feet (requiring 45 feet of relief),

Mr. Bowes/Virginia asked if DEC's review would change the setbacks. Mr. Frateschi said it would not.

One of the board members asked if the site plans were on file and Chairman Budosh said they were signed and stamped.

Chairman Budosh read the revised resolution.

RESOLUTION NO. 23__

OF THE

**ZONING BOARD OF APPEALS
OF THE TOWN OF VAN BUREN**

TJA-NY Van Buren Solar Farm, LLC seeks an area variance to operate a 5-megawatt ground-mounted photovoltaic solar energy facility on 34-acres located on Kingdom Road, Tax Map No. 042.-01-03.1 (the "Property"), pursuant to Sections 200-87 and 200-21 and Article XV of the Town of Van Buren Zoning Code. The Property is located in the AR-80 (Agricultural Residential) Zoning District.

The Property, which is owned by the Town of Van Buren, is the site of the Town's former landfill which was closed in 1989 and is currently a state superfund remediation property. As proposed, the layout of solar racks is primarily on the western and center portions of the Property to avoid steep slopes (>15%) and existing vents and clearance perimeters surrounding each vent. Solar racks will not be drilled into the ground but will instead be mounted on concrete ballast block and a gravel stone base. There is an existing driveway onto Kingdom Road which will be paved and used for access to equipment pads. Documentation evidences an existing 3-phase feeder at the northern end of the Property in the right-of-way for Kingdom Road, and overhead wiring will connect the project. Existing fencing will remain with slight modification and vegetative screening will be installed. The proposed facility will not encroach onto existing wetlands.

In support of its request, Applicant submitted an application for site plan, area variance relief and special use permit approval, an Agricultural Data Statement, correspondence from Eric Kenna, P.E. of C&S Companies, dated October 28, 2022, Photo Simulations with a View-Point Location Map, Decommissioning Plan, dated December 23, 2022, and site plans prepared by C&S Companies, titled "Van Buren Solar Site," consisting of the following:

1. G-001, "Title Sheet," dated October 28, 2022;
2. C-100, "Property Plan," dated October 28, 2022;
3. C-101, "Aerial Site Plan," dated October 28, 2022;

4. C-102, "Overall Site Plan," dated October 28, 2022;
5. C-103, "Grading Plan," dated October 28, 2022;
6. C-104, "Landscaping Plan," dated October 28, 2022;
7. C-501, "Site Details," dated October 28, 2022;
8. C-502, "Fence Details," dated October 28, 2022;
9. C-503; "Details," dated October 28, 2022;
10. C-504, "Erosion & Sediment Control Details," dated October 28, 2022;
11. Stormwater Pollution Prevention Plan, dated December 2022;

and a Full Environmental Assessment Form ("EAF"), dated October 28, 2022. In addition, a representative for the Applicant appeared at the public hearing to explain the proposal and address the concerns of the Board.

Upon review by the Onondaga County Planning Board, Case No. Z-22-339, it has been recommended that the proposal be modified as follows:

- (1) The Board notes the lack of supporting information commonly required for municipal review of larger scale solar projects. The Board recommends that the Town require the applicant to submit a decommissioning plan, visual impact study and information relative to responsibilities regarding the ongoing maintenance and monitoring of the landscape and underlying landfill.
- (2) The Applicant must submit a copy of the Stormwater Pollution Prevention Plan ("SWPPP") and/or any drainage reports or studies to the Onondaga County Department of Transportation for review. The Town must ensure any mitigation as may be determined by the Department is reflected on the project plans prior to, or as a condition of, approval.

Notice of the public hearing was duly published. The public hearing was held on November 15, 2022. No one from the public appeared to either support or oppose the application.

Based upon the submissions of Applicant and proof taken at the public hearing, the Board resolves as follows:

1. During the November 15, 2022, Planning/ Zoning Board meeting, the Board acknowledged that this matter is subject to the State Environmental Quality Review Act and is classified as an Unlisted action. The Board declared itself Lead Agency on an uncoordinated review basis. The Board, having reviewed the Environmental Assessment Form does hereby issue a negative declaration,

determining that the issuance of an area variance, site plan approval, and special use permit to operate a 5 MW solar facility on 34 acres situated on the site of a former municipal landfill, a state superfund remediation property, which has been closed since 1989, and is under continued monitoring obligations, will have no potential adverse environmental impacts, particularly with respect to water, drainage, air quality, soils or other matters of environmental significance.

2. Relative to Section 200-87 of the Zoning Code and the request for an area variance to reduce the side yard setback along the western boundary from 100 feet to 20 feet (requiring 80 feet of relief), the side yard setback along the eastern boundary from 100 feet to 58 feet (requiring 42 feet of relief), and the rear yard setback along the southern boundary from 100 feet to 55 feet (requiring 45 feet of relief), the Board issues the following findings and determinations:

- a. The Property is a decommissioned municipal landfill under monitoring obligations and the abutting land use is active agricultural fields; there are no residences in proximity to the Property. It is determined that variance relief will not produce any undesirable change in the character of the neighborhood and will not be a detriment to nearby properties.
- b. Variance relief will not have an adverse effect or impact on the physical environmental conditions in the neighborhood or district. Neighboring property owners did not express any opposition to the variance.
- c. There is no apparent method to achieve the benefit Applicant wishes to obtain, other than a variance and the benefit to Applicant does outweigh any detriment to the neighborhood or community because of granting the variance relief.

3. Area variance relief to reduce the side yard setback along the western boundary from 100 feet to 20 feet (requiring 80 feet of relief), the side yard setback along the eastern boundary from 100 feet to 58 feet (requiring 42 feet of relief), and the rear yard setback along the southern boundary from 100 feet to 55 feet (requiring 45 feet of relief), is hereby granted.

Dated: February 14, 2023

Mark Budosh, Chairman

Zoning Board of Appeals

Town of Van Buren

Roll Call Vote:

	Aye	Nay	Other
Joseph Cavender	<u> x </u>	_____	_____
James Virginia	<u> x </u>	_____	_____
Claude Sykes	<u> x </u>	_____	_____
Roger Roman	<u> x </u>	_____	_____
James Bowes	<u> x </u>	_____	_____
James Schanzenbach	<u> x </u>	_____	_____
Mark Budosh	<u> x </u>	_____	_____

Attorney Bell added, for the record, the permit extension on the Special Use and Site Plan applications will continue until the DEC approval process for the Change In Use has been complete. Attorney Bell asked Mr. Schanzenbach if he wanted to address his concerns now regarding the Decommissioning plan. Mr. Schanzenbach will email Attorney Bell his concerns concerning the Decommissioning Plan.

Mr. Frateschi stated he would keep the board updated on the status of the DEC process and when it is close to an approval. He asked if there is an issue with changing to a 7-foot fence in the same location. It is a chain link fence. The Board has no issues with that.

- **Self-Direct Inc.-Patricia Palumbo-7758 Maple Road, Baldwinsville, NY 13027 Zone Change, Special Use Permit and Site Plan Review for administrative office use for home care agency and social day program in an existing property located in the R40 Zoning District. Tax Map # 030.-02-23.0.**

Chairman Budosh stated this item is being pulled as the applicant is retracting the application and maps previously submitted. This will be reviewed upon receipt of the new applications and maps.



Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2024 Fourth Quarter

Town of Van Buren
7575 Van Buren Road
Baldwinsville, NY 13027

Sample Collection Information

Sampling Firm: Enalytic, LLC

Sampling Date(s): November 19, 2024

Sampling Locations: (See Appendix A)

Monitoring Wells	Overburden	Bedrock
Upgradient	MW-6S	MW-6D
Downgradient	MW-5S	MW-5D
	MW-8S	MW-8-D
	MW-9S	MW-9D
Residential Wells		
Downgradient	RW- A (Miller)	
	RW- B (Nolan)	
	RW- C (Davis)	

Sample Testing

Laboratory: ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, New York 14623
NYSDOH I.D. # 10145

2013 Parameters Tested:

- All monitoring well locations were analyzed for 1988 NYSDEC Part 360 baseline Parameters.
- All residential locations were analyzed for 1988 NYSDEC Part 360 Baseline Parameters with additional analysis for EPA 601/602 parameters.

Annual Sampling Schedule:

Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
2024	-	-*	-	B
2024	-	R	-	-*
2024	-	-*	-	R
2025	-	R	-	-*
2026	-	-*	-	R
2027	-	R	-	-*

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters

B = 1988 NYSDEC Part 360 Baseline Parameters

- = Sampling not required

* = Residential monitoring still required bi-annually for 1988 NYSDEC Part 360 Routine Parameters with additional analysis for EPA Method 601/602 parameters and Baseline Parameter during baseline monitoring events.

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the fourth quarter 2024 for the closed Town of Van Buren Landfill, Onondaga County, New York. It should be noted that the monitoring frequency was granted a reduction in a NYSDEC letter dated March 14, 2006 from a bi-annual to an annual frequency. Residential locations are still required to be sampled bi-annually. The environmental monitoring points at the closed landfill facility consist of four groundwater monitoring wells screened in the underlying bedrock unit (MW-5D, MW-6D, MW-8D, and MW-9D) and three residential wells (RW-A, RW-B, and RW-C).

Environmental monitoring activities at the Town of Van Buren Landfill were performed in accordance with the NYSDEC- approved Post-Closure Monitoring and Maintenance Manual prepared by Clough, Harbour & Associates (1995) and associated monitoring reduction letter request (Barton & Loguidice, P.C., March 2006). A field sampling team from Analytic Laboratories, LLC., of Syracuse, New York, was responsible for the collection of landfill gas and groundwater samples during the fourth quarter 2024, and ALS Environmental was responsible for the laboratory analyses of these samples.

A Remedial Investigation/Feasibility Study (RI/FS) was previously completed at the time of the landfill closure to evaluate the need for potential site remediation activities and to determine the level of frequency of post-closure monitoring that would be required. Previous rounds of sampling conducted during the RI revealed that the contaminants of concern in the site groundwater as iron, manganese, barium, and arsenic. As recommended in the RI/FS report, the Town of Van Buren Landfill was capped in accordance with the remedial design outlined in the RI/FS and applicable 6 NYCRR Part 360 Regulations.

Eight (8) monitoring wells and three (3) residential wells constitute the groundwater monitoring well network at the closed landfill facility. As depicted on the attached site plan, the

eight (8) monitoring wells were installed in couplets at a single upgradient location (MW-6S/MW-6D), and three (3) downgradient locations (MW-5S/MW-5D, MW-8S/MW-8D, and MW-9S/MW-9D).

The monitoring wells are distinguished within each cluster with the suffixes S and D indicating shallow and deep, respectively. All shallow wells (S) are screened in the overburden glacial till unit with ten (10) foot long screens and range in a depth from approximately 22 to 45 feet below ground surface (bgs). The deep wells (D) are completed in the underlying shale bedrock unit and range in depth from 66 to 100 feet bgs. The bedrock monitoring wells were constructed with 20-foot long screen sections, with the exception of MW-5D, which has ten (10) foot long screen section.

The three (3) residential wells that are sampled on a biannual basis are located downgradient of the landfill and are completely in the underlying bedrock aquifer. The groundwater samples from these wells are designated as RW-A, RW-B, and RW-C, and are collected from the Miller, Nolan, and Davis residences, respectively.

The Town submitted analytical data to NYSDEC as part of the Emerging Contaminant Initiative in September 2019. Based on this data, NYSDEC requested that PFAS sampling be included in conjunction with landfill groundwater sampling events. The laboratory results, performed by York Environmental Laboratories, are included in Appendix F.

Groundwater (Overburden)

The 2024 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix D. These tables also present the historical overburden groundwater sampling results for comparison purposes. Water quality results for the overburden deposits at the landfill site are evaluated by the results from the three (3) downgradient monitoring wells (MW-5S, MW-8S, and MW-9S) to the up-gradient monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the

monitoring well locations and parameters that exceed water quality standards during the fourth quarter 2024 sampling event. As discussed below, the overburden groundwater quality results for the fourth quarter 2024 are generally consistent with historical levels.

The three monitoring locations (MW-5S, MW-8S, and MW-9S), which represent downgradient water quality for the overburden unit, were noted for exceeding parameters above Part 703 groundwater standards including total dissolved solids, turbidity, and total metals (iron, magnesium, manganese, and sodium). A listing of exceedances at each location is included in Table 1. The overburden unit water quality reported for the fourth quarter 2024 monitoring event appears to be consistent with historical results. Continued monitoring of the overburden unit will allow further assessments to be made regarding the positive impact of the landfill capping system on overburden water quality at the site.

Groundwater (Bedrock)

The 2024 groundwater quality results for the bedrock unit are summarized in the tables contained in Appendix D. The tables in Appendix D also present historical bedrock groundwater quality data for comparison purposes. Water quality results for the bedrock unit are evaluated by comparing the results from the three (3) downgradient monitoring wells (MW- 5D, MW-8D, and MW-9D) to the upgradient monitoring well (MW-6D) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceeded the applicable water quality standards during the 2024 fourth quarter monitoring event.

The three monitoring locations (MW- 5D, MW-8D, and MW-9D), which represent downgradient water quality for the bedrock unit, were noted for exceeding parameters above Part 703 groundwater standards including ammonia, sulfate, total dissolved solids, turbidity and total metals: iron, and sodium.

The bedrock groundwater quality concentrations reported for the 2024 monitoring event have remained consistent with prior sampling rounds (see Appendix D). Continued

monitoring of the water quality in the bedrock unit will allow further assessment to be made regarding the influence of the landfill capping system on the downgradient water quality at the site.

Leachate Seeps

The leachate seep locations which were initially sampled and tested during the First Quarter of 1996 were observed to be dry during the fourth quarter of 2024 and therefore no samples were collected. The previously analyzed samples collected from the leachate seep locations revealed only slight elevated parameter concentrations and were therefore considered to be of little concern or impact to the surrounding environment.

The past occurrence of leachate seeps appears to be related to the seasonally high water table that historically occurs during the early spring and fall at the Town of Van Buren Landfill site. The leachate seep locations will be checked for flow during future landfill site inspections but will likely not be sampled again unless a substantial difference in their physical appearance or flow is documented.

Landfill Gas

Explosive gas surveys were conducted by Analytic Laboratories personnel at the closed Town of Van Buren Landfill to verify that decomposition gases generated by the landfill are being adequately controlled by the gas venting system. Gas readings were taken around the perimeter of the landfill using a Methane Gas Detector Model FD-90E. Explosive gas readings were collected by inserting a probe attached to the gas meter into a small diameter probe hole advanced approximately one (1) foot below ground surface. If any of the observed gas readings exceeded 25% of the lower explosive limit (L.E.L.) of methane, three (3) additional offset probe holes would have been installed as follows: 25 feet from the original sample location in a direction away from the waste mass ("A" offset), 25 feet towards the previous perimeter explosive gas survey point ("B" offset), and 25 feet in the direction towards the next perimeter explosive gas survey point ("C" offset).

No off-set explosive gas survey points were necessary during the monitoring period as there was no detection of landfill gas at any of the explosive gas survey points. Explosive gas levels were also taken at each landfill gas vent to ensure they were functioning properly. The approximate locations of the explosive gas survey points are shown on the site map included in Appendix A and the results are included in Appendix E.

Residential Wells

The three off-site residential wells included in the environmental monitoring program are installed within the bedrock aquifer and situated downgradient of the closed landfill site. The residential water well sample locations are designated as RW-A (Miller), RW-B (Nolan), and RW-C (Davis), respectively. Each of the residences is equipped with a sediment filter, water softener and reverse osmosis' water filtration system to treat excess amount of total and dissolved metals present in the bedrock aquifer unit. In addition, the Miller residence is also equipped with a carbon filtration system to treat the presence of low level volatile organic compounds (VOCs). The water treatment systems are maintained by the Town of Van Buren through a contract with a certified water quality treatment company. The residential water well samples are always collected post-treatment to ensure that the above referenced water treatment systems are functioning properly.

During the fourth quarter monitoring event, the water quality at all three residential locations was generally comparable to historical data. The water treatment systems at all three residences were replaced in April 2017 due to the age of the prior systems and frequency of maintenance required.

PFAS

The Town submitted analytical data to NYSDEC as part of the Emerging Contaminant Initiative in September 2019. Based on this data, NYSDEC requested that PFAS sampling be

included in conjunction with landfill groundwater sampling events. The laboratory results are included in Appendix F. A summary of the detections is included in the table below.

PFAS Detection										
Monitoring	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFOS	PFNA	PFPeA	PFBA	1,4-Dioxane
Well	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ug/L)
6S	---	---	---	---	---	---	---	---	---	---
5S	1.71	2.41	1.66	2.80	7.46	14.5	---	2.09	4.02	2.40
5D	---	2.66	---	---	1.27	---	---	1.10	1.21	---

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The fourth quarter data sample was scheduled to be collected at monitoring location MW-9D.

Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement (i.e., 20%) between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Precision was calculated as:

$$RPD = \frac{(D)}{(R)} \times 100$$

RPD = Relative Percent Difference

D = Difference between 2 measurements

M = mean of 2 measurements

The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures. The RPD comparison completed by the testing laboratory did not show any exceedances for this reporting period.

Appendix A

Landfill Map



Town of Van Buren Landfill

Legend

- Gas Vents
- Monitoring Wells
- 10' Contours
- 2' Contours

SOCPA
Soil Conservation District of Van Buren County, Michigan

THIS MAP IS INTENDED FOR GENERAL PLANNING PURPOSES ONLY.

Photos from IRS Digital Orthophoto Program, 2018.

This graphic shows the data as it was defined from LIDAR data captured in 2012 by the Michigan Department of Environmental Conservation. This data is intended for general planning purposes only. SOCPA does not warrant the accuracy or completeness of the data or that it is appropriate for your intended use.

Appendix B

Field Data

Analytic LLC

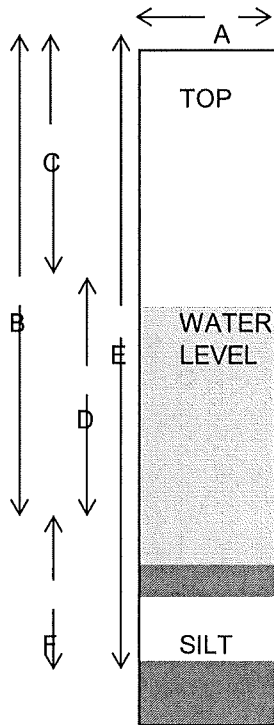
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5S

LAB ID No. (enter by lab)
 Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.00</u>	feet
C.	Depth to Water (TOC)	<u>32.04</u>	feet
D.	Length of Water Column (calc.)	<u>7.96</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.27</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.82</u>	gallons
	Actual Volume Evacuated	<u>2</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>950</u>
ORP	<u>-41.4</u>
Temperature	<u>9.7</u>
pH	<u>7.83</u>
Specific Cond.	<u>990</u>
Turbidity (NTU)	<u>Over 2,000 NTUs</u>
Dissolved Oxygen	<u>0.48</u>
Appearance	<u>Redish brown in color, sulfur odors, turbid</u>

Initial Depth to Water

32.04 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: _____

Analytic LLC

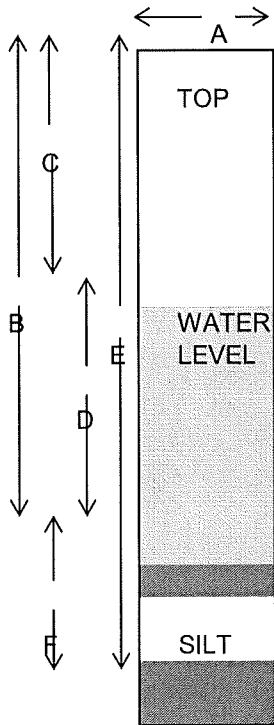
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5D

LAB ID No. (enter by lab) _____

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.50</u>	feet
C.	Depth to Water (TOC)	<u>34.31</u>	feet
D.	Length of Water Column (calculated)	<u>41.19</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>6.59</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>19.77</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>1020</u>
ORP	<u>-31.0</u>
Temperature	<u>10.7</u>
pH	<u>7.54</u>
Specific Cond.	<u>220</u>
Turbidity (NTU)	<u>45</u>
Dissolved Oxygen	<u>0.33</u>
Appearance	<u>Sulfur odors, clear, black particles</u>

Initial Depth to Water
34.31 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: _____

Eanalytic LLC

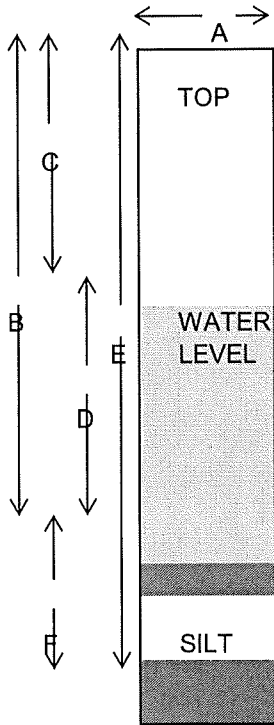
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>19.61</u>	feet
C.	Depth to Water (TOC)	<u>11.40</u>	feet
D.	Length of Water Column (calculated)	<u>8.21</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.31</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.94</u>	gallons
	Actual Volume Evacuated	<u>4</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>1100</u>
ORP	<u>-54</u>
Temperature	<u>9.6</u>
pH	<u>7.98</u>
Specific Cond.	<u>740</u>
Turbidity (NTU)	<u>19</u>
Dissolved Oxygen	<u>0.45</u>
Appearance	<u>Clear, some small black particles</u>

Initial Depth to Water
11.40 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations:

Analytic LLC

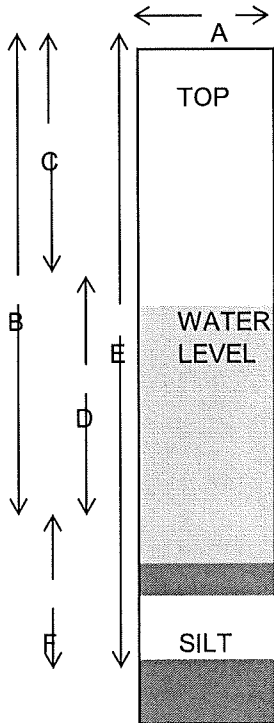
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>62.60</u>	feet
C.	Depth to Water (TOC)	<u> </u>	feet
D.	Length of Water Column (calculated)	<u> </u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u> </u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u> </u>	gallons
	Actual Volume Evacuated	<u> </u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date _____
 Time _____
 ORP _____
 Temperature _____
 pH _____
 Specific Cond. _____
 Turbidity (NTU) _____
 Dissolved Oxygen _____
 Appearance _____

Initial Depth to Water
0 Feet

BLOCKAGE IN WELL

Sampler: Brian Nichols
 Andrew Odell

Signature: *Brian Nichols*
Andrew Odell

Weather: _____
 Observations: NO SAMPLE. UNABLE TO PULL OUT ROPE.

Analytic LLC

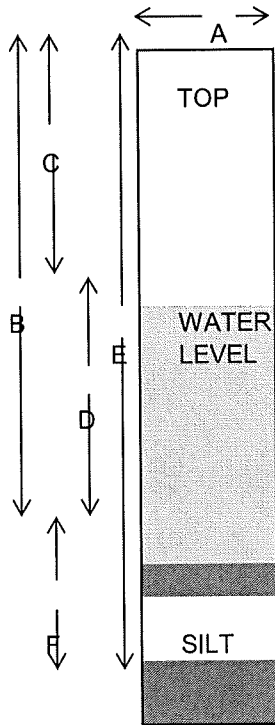
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.40</u>	feet
C.	Depth to Water (TOC)	<u>28.87</u>	feet
D.	Length of Water Column (calc.)	<u>11.53</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.84</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.53</u>	gallons
	Actual Volume Evacuated	<u>6</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>830</u>
ORP	<u>-66.5</u>
Temperature	<u>11.8</u>
pH	<u>8.98</u>
Specific Cond.	<u>790</u>
Turbidity (NTU)	<u>Over 2,000 NTUs</u>
Dissolved Oxygen	<u>0.48</u>
Appearance	<u>Redish brown in color, turbid</u>

Initial Depth to Water
28.87 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: _____

Analytic LLC

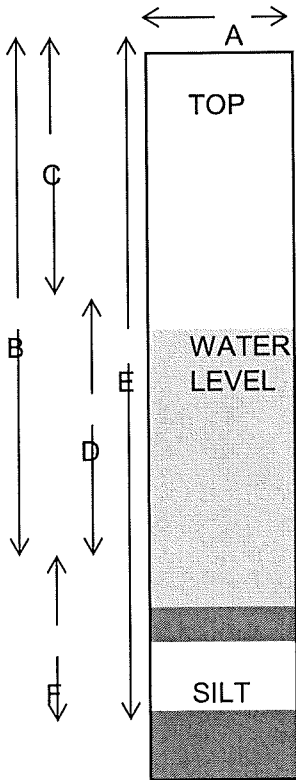
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>96.20</u>	feet
C.	Depth to Water (TOC)	<u>39.07</u>	feet
D.	Length of Water Column (calculated)	<u>57.13</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.14</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>27.42</u>	gallons
	Actual Volume Evacuated	<u>12</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>740</u>
ORP	<u>-59.5</u>
Temperature	<u>10.9</u>
pH	<u>8.06</u>
Specific Cond.	<u>300</u>
Turbidity (NTU)	<u>14</u>
Dissolved Oxygen	<u>0.52</u>
Appearance	<u>Clear, some small black particles</u>

Initial Depth to Water
39.07 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: Performed MW-X (DUPE) on MW-9D @ 740

Analytic LLC

Ground water Field Log

File: TS-30-01 Revised: 11/2014

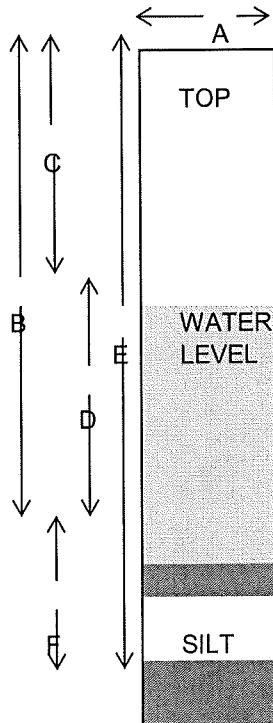
Client: Town Of Van Buren
 Project: Van Buren Landfill
 Well ID.: MW-8S

LAB ID No. (enter by lab) _____

Condition of Well: Good Locked: No

Method of Evacuation: HDPE Bailer (New) Lock ID: None

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>39.60</u>	feet
C.	Depth to Water (TOC)	<u>34.37</u>	feet
D.	Length of Water Column (calculated)	<u>5.23</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>0.84</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>2.51</u>	gallons
	Actual Volume Evacuated	<u>1.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>910</u>
ORP	<u>-23</u>
Temperature	<u>9.8</u>
pH	<u>7.48</u>
Specific Cond.	<u>990</u>
Turbidity (NTU)	<u>17</u>
Dissolved Oxygen	<u>0.48</u>
Appearance	<u>Clear, slightly turbid, black particles</u>

Initial Depth to Water

34.37 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: Brian Nichols
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: _____

Analytic LLC

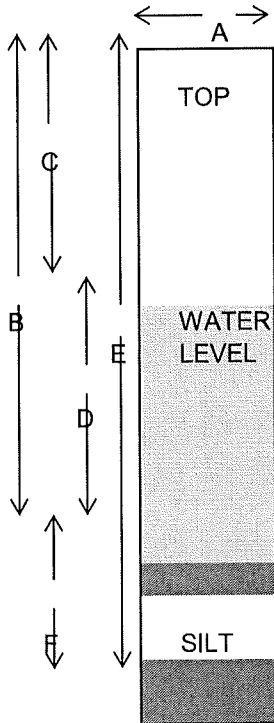
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-8D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>94.40</u>	feet
C.	Depth to Water (TOC)	<u>38.83</u>	feet
D.	Length of Water Column (calculated)	<u>55.57</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>8.89</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>26.67</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>11/19/2024</u>
Time	<u>920</u>
ORP	<u>-33.6</u>
Temperature	<u>9.6</u>
pH	<u>7.6</u>
Specific Cond.	<u>1,780</u>
Turbidity (NTU)	<u>9.2</u>
Dissolved Oxygen	<u>0.55</u>
Appearance	<u>Clear, some small black particles</u>

Initial Depth to Water
38.83 Feet

Sampler: Brian Nichols
Andrew Odell

Signature: *Brian Nichols*
Andrew Odell

Weather: Sunny, Cool 45 deg.
 Observations: _____

Enalytic, LLC

FILE:TS-40-01 REVISED: 01/01

Tap Water / Surface Water / Wastewater Field Log

Client: Town of Van Buren

Sampler (print): Brian Nichols, Andrew Odell

Project: Landfill Residents

Signature: Brian Nichols

Date: November 18, 2024

Location	<u>RW--A (Miller)</u>	TIME SAMPLED	<u>17:35pm</u>	Lab ID	
EH	<u>-79.5</u> mv	WEATHER CONDITION: Sunny, Cool, 60 deg.			
TEMPERATURE	<u>11.2</u> c				
PH	<u>8.58</u> STD.UNITS	APPEARANCE / OBSERVATIONS: Clear, no odors			
SPEC. COND.	<u>370</u> UMHOS/CM	<u>Sample collected from the Kitchen Sink RO Tap.</u>			
TURBIDITY	<u>6.8</u> NTU				
DIS.OXYGEN	<u>0.57</u> MG/L				

Location	<u>RW--A (Miller) Influent</u>	TIME SAMPLED	<u>17:50pm</u>	Lab ID	
EH	<u>-52.8</u> mv	WEATHER CONDITION: Sunny, Cool, 60 deg.			
TEMPERATURE	<u>11</u> c				
PH	<u>7.95</u> STD.UNITS	APPEARANCE / OBSERVATIONS: Slightly turbid, no odors			
SPEC. COND.	<u>220</u> UMHOS/CM	<u>Sample collected from direct inlet in basement.</u>			
TURBIDITY	<u>20</u> NTU				
DIS.OXYGEN	<u>0.58</u> MG/L				

Location	<u>RW-B (Nolan)</u>	TIME SAMPLED	<u>17:15pm</u>	Lab ID	
EH	<u>-67</u>	WEATHER CONDITION: Sunny, Cool, 60 deg.			
TEMPERATURE	<u>11.3</u> c				
PH	<u>8.32</u> STD.UNITS	APPEARANCE / OBSERVATIONS: Clear, no odors			
SPEC. COND.	<u>190</u> UMHOS/CM	<u>Sample collected from the Kitchen Sink RO Tap.</u>			
TURBIDITY	<u>7.0</u> NTU				
DIS.OXYGEN	<u>0.71</u> MG/L				

Location	<u>RW-C (Davis)</u>	TIME SAMPLED	<u>16:50pm</u>	Lab ID	
EH	<u>-55.8</u>	WEATHER CONDITION: Sunny, Cool, 60 deg.			
TEMPERATURE	<u>11.1</u> c				
PH	<u>7.93</u> STD.UNITS	APPEARANCE / OBSERVATIONS: Clear, no odors			
SPEC. COND.	<u>100</u> UMHOS/CM	<u>Sample collected from the Kitchen Sink RO Tap.</u>			
TURBIDITY	<u>6.6</u> NTU	<u>Kitchen sink RO and kitchen sink not working. Refused sampling.</u>			
DIS.OXYGEN	<u>0.69</u> MG/L				

Appendix C

Historical Spreadsheets

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
MW-5S										
29-Mar-96	48	-75	6.5	1000	-	5	560	520	680	170
20-Jun-96	54	110	6.9	1000	110	2	290	490	700	38
5-Sep-96	61	-60	6.9	1000	-	2	580	600	770	31
12-Dec-96	48	-60	6.8	890	-	1	510	490	690	45
28-Mar-97	46	25	6.6	780	-	2	610	530	710	39
3-Jun-97	50	-10	6.5	1000	-	2	610	500	650	36
30-Sep-97	50	-10	6.7	1100	140	2	500	540	770	35
9-Dec-97	46	55	6.8	1300	-	1	560	560	720	32
30-Mar-98	55	-30	6.5	850	-	2	500	480	620	36
22-Oct-98	48	25	6.6	100	22	2	580	390	680	28
10-Jun-99	52	10	6.6	1050	23	1	640	530	600	25
7-Oct-99	48	0	6.7	1050	-	2	630	600	690	26
11-May-00	50	-15	6.2	1050	-	1	650	630	610	28
19-Oct-00	51	-40	7.2	862	250	39	630	610	620	21
6-Jun-01	56	-59	7.4	900	28	11	500	460	630	26
12-Nov-01	51	-15	7.4	786	-	65	480	-	670	26
31-May-02	53	-22	7.1	850	-	5	570	470	620	29
21-Nov-02	50	-3	6.5	768	22	65	590	490	590	23
16-May-03	54	-11	7.1	906	12	4	620	490	630	36
18-Dec-03	44	-25	7.5	653	-	3	630	560	660	25
27-May-04	51	-38	7.2	1218	-	54	510	470	650	29
14-Dec-04	46	-21	7.5	894	-	1	730	470	60	24
11-May-05	53	-8	7	1081	100	1	640	320	595	29
17-Nov-05	47	-25	6.7	1298	-	1	570	410	692	20
29-Dec-06	44	-27	6.7	1058	50	2	600	580	618	34
27-Jun-07	52	-43	6.7	522	-	2	490	490	653	28
31-Oct-08	50	-27	7.5	870	40	71	510	440	560	23
1-Jun-09	50	219	6.7	529	-	12	510	560	570	22
20-Oct-10	51	-49	8	708	-	58	220	230	471	6.3
15-Feb-11	49	-68	7.1	844	-	5	540	640	640	15
30-Jun-11	51	-80	7.0	1035	-	2	620	560	750	23
20-Dec-12	55	52	6.2	1030	-	19	550	670	610	15
6-Jun-13	55	-7	7.2	1091	-	2	568	374	646	20
28-Oct-14	54	-81	7.1	1105	-	55	433	596	604	21
6-May-15	54	-47	6.8	1049	-	32	549	1500	626	35
1-Nov-16	52	-75	7.1	1007	5	57	557	560	576	31
15-Jun-17	63	12	6.9	963	-	7	604	620	587	26
9-Oct-18	61	-31	6.7	976	-	15	546	680	534	27
12-Jun-19	56	-101	6.9	1026	5	379	544	800	516	24
3-Dec-20	55	-123	8.5	896	5	> 2000	827	---	533	20
23-Jun-21	54	-120	8.2	824	-	850	601	360	466	13
20-Dec-22	51	-21	7.3	843	8	> 2000	560	973	553	13
10-Jul-23	55	-23	7.4	881	-	> 2000	550	477	532	14
19-Nov-24	49	-41	7.8	990	-	> 2000	537	1450	563	15

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-5S										
29-Mar-96	21	-	< 0.2	3.6	-	-	< 20	4	< 0.005	-
20-Jun-96	25	0.2	0.3	3.2	4.1	< 4	28	4	< 0.005	< 0.01
5-Sep-96	23	-	< 0.2	3.2	-	-	20	3	< 0.005	-
12-Dec-96	27	-	< 0.2	4	-	-	30	2	< 0.005	-
28-Mar-97	27	-	< 0.2	3.5	-	-	22	4	< 0.005	-
3-Jun-97	28	-	< 0.2	3.5	-	-	< 20	4	< 0.005	-
30-Sep-97	19	< 0.1	< 0.2	2.5	3.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	24	-	< 0.2	1.9	-	-	< 20	3	< 0.005	-
30-Mar-98	21	-	< 0.2	3.3	-	-	< 20	4	< 0.005	-
22-Oct-98	24	0.2	< 0.2	2.2	2.8	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	26	0.2	< 0.2	3.6	2.9	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	21	-	< 0.2	2.1	-	-	< 20	3	< 0.005	-
11-May-00	24	-	< 0.2	2.4	-	-	< 20	3	< 0.005	-
19-Oct-00	27	0.2	< 0.2	2.1	2	< 4	< 20	3	< 0.005	< 0.01
6-Jun-01	30	< 0.5	< 0.2	2.6	2.4	< 4	< 20	3	< 0.005	< 0.01
12-Nov-01	29	-	< 0.2	3.5	-	-	< 20	3	< 0.005	-
31-May-02	31	-	< 0.2	2.6	-	-	26	9	< 0.005	-
21-Nov-02	27	< 0.5	< 0.2	2.6	3	< 4	< 20	5	0.009	< 0.01
16-May-03	24	< 0.5	< 0.2	2.3	2.6	< 4	< 20	3	0.009	< 0.01
18-Dec-03	25	-	< 0.2	3.4	-	-	20	3	< 0.005	-
27-May-04	24	-	0.3	2.2	-	-	< 20	6	< 0.005	-
14-Dec-04	33	-	< 0.2	2.5	-	-	< 20	< 3	< 0.005	-
11-May-05	17	< 0.5	< 0.2	< 0.5	< 0.5	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	23	-	< 0.2	2	-	-	< 20	< 3	< 0.005	-
29-Dec-06	16	< 0.5	0.2	2.5	2.1	7	< 20	4	< 0.005	< 0.01
27-Jun-07	21	-	0.3	1.7	-	-	< 20	6	< 0.005	-
31-Oct-08	22	< 0.5	0.2	1.2	2.3	18	< 20	9	< 0.005	< 0.01
1-Jun-09	22	-	< 0.2	1.4	< 0.5	-	< 20	< 3	< 0.005	-
20-Oct-10	200	-	-	-	-	-	120	4.2	-	-
15-Feb-11	22	-	< 0.2	0.9	-	-	-	-	-	-
30-Jun-11	21	-	< 0.2	1.5	-	-	-	-	-	-
20-Dec-12	11	-	< 0.2	1.2	-	-	-	-	-	-
6-Jun-13	21	-	0.26	1.0	-	-	10	1.8	< 0.010	-
28-Oct-14	19.3	0.1	0.22	0.9	1.3	-	10	1.9	< 0.005	< 0.01
6-May-15	25	-	< 0.1	1.5	-	-	< 10	2.1	< 0.005	-
1-Nov-16	20	-	0.07	1.0	-	33	< 10	5.8	< 0.005	-
15-Jun-17	21	-	< 0.05	1.2	-	-	36	2.1	< 0.005	-
9-Oct-18	38	-	0.23	1.1	-	-	73	4.9	< 0.005	-
12-Jun-19	23.1	-	0.19	0.7	-	-	48	3.7	< 0.010	< 0.01
3-Dec-20	18	0.14	0.17	0.77	1.6	-	63	2.8	0.0055	< 0.01
23-Jun-21	12	-	< 0.25	0.9	-	-	< 10	2.2	0.0055	-
20-Dec-22	15	0.07	1.2	0.5	4.3	-	480	1.8	-	-
10-Jul-23	17	-	1.2	0.75	-	-	346	2.4	< 0.005	-
19-Nov-24	13	-	1.0	0.3	-	-	7.3	4.0	< 0.005	-

ONONDAGA COUNTY
 WATER QUALITY TEST DATA
 VAN BUREN LANDFILL (CLOSED)
 ONONDAGA COUNTY
 WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-55											
29-Mar-96	—	—	0.009	0.5	—	< 0.005	160	—	—	—	9.1
20-Jun-96	0.1	< 0.003	0.008	0.5	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	8.9
5-Sep-96	—	—	0.008	0.5	—	< 0.005	180	—	—	—	11
12-Dec-96	—	—	0.009	0.5	—	< 0.005	150	—	—	—	9.1
28-Mar-97	—	—	0.011	0.4	—	0.01	160	—	—	—	9.7
3-Jun-97	—	—	0.01	0.4	—	< 0.005	150	—	—	—	9.6
30-Sep-97	< 0.05	< 0.003	0.01	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	9.4
9-Dec-97	—	—	0.009	0.4	—	< 0.005	170	—	—	—	7.8
30-Mar-98	—	—	0.01	0.5	—	0.005	150	—	—	—	8.7
22-Oct-98	0.11	< 0.003	0.007	0.5	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	8.6
10-Jun-99	0.09	< 0.003	0.008	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	0.02	7.7
7-Oct-99	—	—	—	—	—	0.005	180	—	—	—	8
11-May-00	—	—	—	—	—	< 0.005	190	—	—	—	8.2
19-Oct-00	0.08	< 0.003	0.008	0.5	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	7.5
6-Jun-01	0.23	< 0.003	0.035	0.4	< 0.005	< 0.005	140	< 0.02	< 0.01	< 0.02	13
12-Nov-01	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	6.5
31-May-02	—	—	0.013	0.4	—	< 0.005	140	—	—	—	6.5
21-Nov-02	0.09	< 0.003	< 0.010	0.4	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	5.1
16-May-03	0.15	< 0.003	0.013	0.4	< 0.005	0.006	150	< 0.05	< 0.01	< 0.02	5.6
18-Dec-03	—	—	0.015	0.5	—	< 0.005	170	—	—	—	5.7
27-May-04	—	—	0.012	0.4	—	< 0.005	140	—	—	—	5.7
14-Dec-04	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	5.2
11-May-05	< 0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	92	< 0.05	< 0.01	< 0.04	3.8
17-Nov-05	—	—	0.014	0.8	—	< 0.005	120	—	—	—	3.9
29-Dec-06	0.1	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	7.5
27-Jun-07	—	—	< 0.010	0.4	—	< 0.005	140	—	—	—	4.7
31-Oct-08	< 0.05	< 0.003	< 0.010	0.3	< 0.005	< 0.005	120	< 0.05	< 0.01	< 0.02	0.1
1-Jun-09	—	—	—	—	—	< 0.005	160	—	—	—	5.9
20-Oct-10	—	—	—	—	—	—	61	—	—	—	1.5
15-Feb-11	—	—	—	—	—	—	190	—	—	—	6.3
30-Jun-11	—	—	—	—	—	—	160	—	—	—	5.9
20-Dec-12	—	—	—	.41	—	—	200	—	—	—	5.5
6-Jun-13	—	—	—	—	—	< 0.005	150	—	—	—	4.9
28-Oct-14	—	—	0.01	0.4	—	—	173	—	—	—	4.9
6-May-15	—	—	—	—	—	< 0.005	180	—	—	—	4.5
1-Nov-16	—	—	—	0.35	< 0.005	< 0.0025	163	—	—	—	3.0
15-Jun-17	—	—	—	—	—	< 0.0025	175	—	—	—	7.4
9-Oct-18	—	—	—	—	—	< 0.0025	151	—	—	—	2.7
12-Jun-19	6.9	—	0.015	0.4	< 0.005	< 0.0025	200	0.015	—	0.035	2
3-Dec-20	24.8	< 0.06	0.028	0.6	< 0.005	< 0.0025	270	0.05	—	0.06	51.5
23-Jun-21	—	—	—	—	—	< 0.0025	132	—	—	—	0.96
20-Dec-22	36.5	—	—	0.7	—	—	363	0.06	—	0.08	67
10-Jul-23	—	—	—	—	—	< 0.0033	139	—	—	—	0.28
19-Nov-24	—	—	—	—	—	< 0.005	373	—	—	—	111

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-5S											
29-Mar-96	0.004	30	1.2	< 0.0004	—	7.9	22	—	—	—	—
20-Jun-96	0.005	28	1.2	< 0.0004	< 0.03	6.6	22	0.002	< 0.05	< 0.003	0.01
5-Sep-96	0.002	37	1.4	< 0.0004	—	7	20	—	—	—	—
12-Dec-96	< 0.001	29	1.1	< 0.0004	—	7.3	24	—	—	—	—
28-Mar-97	< 0.001	32	1.2	< 0.0004	—	6.6	18	—	—	—	—
3-Jun-97	0.01	31	1.1	< 0.0004	—	5.7	21	—	—	—	—
30-Sep-97	< 0.001	34	1.1	< 0.0004	< 0.03	9.3	20	< 0.001	< 0.05	< 0.003	0.04
9-Dec-97	0.002	32	1.1	< 0.0004	—	11	23	—	—	—	—
30-Mar-98	0.01	26	0.96	< 0.0004	—	10	25	—	—	—	—
22-Oct-98	< 0.001	34	1.3	< 0.0004	0.05	9.2	16	0.001	< 0.05	< 0.003	0.01
10-Jun-99	0.002	32	1.1	< 0.0004	< 0.03	11	19	0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.006	36	1.2	—	—	8.3	12	—	—	—	—
11-May-00	0.002	37	1.3	—	—	8.2	19	—	—	—	—
19-Oct-00	0.003	34	1.2	< 0.0004	0.06	8	13	< 0.001	< 0.05	0.028	< 0.01
6-Jun-01	< 0.001	28	0.78	< 0.0004	< 0.03	11	24	< 0.001	< 0.05	< 0.003	0.02
12-Nov-01	0.002	30	1.1	0.0006	—	8.5	13	—	—	—	—
31-May-02	< 0.001	30	1	< 0.0004	—	8.3	18	—	—	—	—
21-Nov-02	< 0.001	30	1	< 0.0004	< 0.03	7.7	11	< 0.005	< 0.05	< 0.003	0.01
16-May-03	0.001	30	0.89	< 0.0004	0.06	8.1	17	< 0.005	< 0.05	< 0.003	0.02
18-Dec-03	< 0.001	35	1.5	< 0.0004	—	9.2	15	—	—	—	—
27-May-04	0.003	30	0.91	< 0.0004	—	7.8	16	—	—	—	—
14-Dec-04	0.001	30	0.97	< 0.0004	—	8.5	13	—	—	—	—
11-May-05	< 0.001	21	0.7	< 0.0004	< 0.03	6.9	13	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	26	0.86	< 0.0004	—	5.8	8	—	—	—	—
29-Dec-06	< 0.003	38	1.3	< 0.0004	< 0.03	7.9	18	< 0.005	< 0.05	< 0.003	0.27
27-Jun-07	< 0.003	32	1.1	< 0.0004	—	7.8	16	—	—	—	—
31-Oct-08	< 0.003	36	0.1	< 0.0004	< 0.03	8.2	16	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	37	1.3	—	—	8.1	17	—	—	—	—
20-Oct-10	—	19	0.15	—	—	13	38	—	—	—	—
15-Feb-11	—	42	1.3	—	—	7.6	14	—	—	—	—
30-Jun-11	—	38	1.3	—	—	8.2	16	—	—	—	—
20-Dec-12	—	39	1.3	—	—	7.1	12	—	—	—	—
6-Jun-13	< 0.02	36	1.3	—	—	6.3	14	—	—	—	—
28-Oct-14	—	40	1.2	—	—	7.2	13	—	—	—	—
6-May-15	—	40	1.2	—	—	<5.0	18	—	—	—	—
1-Nov-16	—	37	1.5	—	—	7.5	16	—	—	—	—
15-Jun-17	< 0.005	40	3.7	—	—	8.9	15	—	—	—	—
9-Oct-18	< 0.005	34	11	—	—	6.3	13	—	—	—	—
12-Jun-19	< 0.005	50	2.1	—	0.051	14.5	18	—	—	—	0.04
3-Dec-20	0.018	76	3.0	—	0.16	15.4	13	—	—	—	0.1
23-Jun-21	< 0.005	29	0.7	—	—	5.1	8	—	—	—	—
20-Dec-22	0.028	102	4.1	—	—	21.9	10	—	—	—	.12
10-Jul-23	—	31	1.3	—	—	5.5	11	—	—	—	—
19-Nov-24	0.026	125	4.6	—	—	36.5	12	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-5D										
29-Mar-96	48	-50	7	2300	—	6	150	1100	2000	97
20-Jun-96	50	125	7.2	2000	110	18	140	1100	2100	94
5-Sep-96	57	-75	7.4	200	—	8	160	1200	2100	93
12-Dec-96	46	-75	6.9	1800	—	17	130	970	2100	98
28-Mar-97	46	25	7	1600	—	22	150	1100	2100	95
3-Jun-97	52	-35	7.1	2200	—	15	140	1100	2100	96
30-Sep-97	52	-30	7.2	2400	25	6	130	1200	2200	97
9-Dec-97	46	80	7.2	2600	—	13	170	1200	2100	93
30-Mar-98	54	-45	7.4	1500	—	4	150	1100	2100	92
22-Oct-98	48	20	7.1	1600	7	3	150	430	2100	94
10-Jun-99	48	-30	7.1	2200	20	4	140	1100	2000	96
7-Oct-99	48	-40	7	2100	—	8	160	1300	2100	93
11-May-00	54	-20	6.2	1600	—	16	150	1000	2000	96
19-Oct-00	55	-35	7.6	1501	50	17	150	1300	1800	95
6-Jun-01	63	-80	7.7	1776	20	9	140	970	2100	92
12-Nov-01	51	-34	7.6	1590	—	39	150	—	2000	94
31-May-02	58	-44	7.5	1854	—	14	150	890	2000	98
21-Nov-02	50	-15	6.7	1660	11	14	140	990	1900	95
16-May-03	53	-18	7.2	1642	9	17	140	1100	2100	96
18-Dec-03	43	-40	7.6	722	—	16	150	580	970	43
27-May-04	51	-18	6.8	1991	—	14	160	970	1850	86
14-Dec-04	47	-17	7.8	1642	—	22	280	970	1610	138
11-May-05	53	-22	7.1	2120	50	12	130	890	1750	90
17-Nov-05	48	-40	7.1	2640	—	15	210	940	1700	78
29-Dec-06	41	31	7.1	1930	20	5	140	770	1690	100
27-Jun-07	54	-55	6.9	995	—	25	110	1100	1920	104
31-Oct-08	50	-26	7.5	1637	11	21	140	1200	1910	108
1-Jun-09	52	193	7.1	1310	—	29	120	1200	2000	105
20-Oct-10	50	-14	7.6	1879	—	15	220	1500	2400	160
15-Feb-11	48	-60	7.5	1576	—	26.3	94	1300	2000	95
30-Jun-11	52	-51	7.4	2296	—	12.9	130	1300	1900	102
20-Dec-12	56	87	6.5	2271	—	25	130	1500	2200	100
6-Jun-13	59	-31	7.4	2340	—	15.6	136	1004	2100	90
28-Oct-14	57	-74	7.4	2120	—	15	123	1200	1970	92
6-May-15	57	-50	7.3	2060	—	32	130	1400	1890	99
2-Nov-16	55	-72	7.2	1929	5	11.4	137	1120	1730	94
15-Jun-17	58	-34	7.3	1758	—	7.4	122	1200	1920	84
9-Oct-18	61	-39	7.1	2230	—	16	142	1100	1880	111
19-Jun-19	59	-133	7.2	2250	—	124	135	1200	1710	113
3-Dec-20	48	-141	8.7	2110	—	60	140		1980	86
23-Jun-21	56	-126	8.4	2122	—	20	144	1120	1720	89
20-Dec-22	49	-27	7.4	1865	500	71	150	926	2030	96
10-Jul-23	55	-23	7.4	881	—	320	483	1120	1730	83
19-Nov-24	51	-31	7.5	220	—	45	529	1100	1780	94

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-5D										
29-Mar-96	920	-	< 0.2	3	-	-	< 20	< 1	< 0.005	-
20-Jun-96	1300	3.5	0.2	3.4	3.3	< 4	< 20	< 1	< 0.005	< 0.01
5-Sep-96	1200	-	< 0.2	2.8	-	-	< 20	< 1	< 0.005	-
12-Dec-96	1300	-	0.4	2.2	-	-	< 20	< 1	< 0.005	-
28-Mar-97	1100	-	< 0.2	3.2	-	-	< 20	< 1	< 0.005	-
3-Jun-97	1200	-	< 0.2	3	-	-	< 20	2	< 0.005	-
30-Sep-97	1100	2.6	< 0.2	2.9	2.9	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1200	-	0.2	2.2	-	-	< 20	< 1	< 0.005	-
30-Mar-98	1100	-	< 0.2	2.6	-	-	< 20	< 1	< 0.005	-
22-Oct-98	1100	3.4	< 0.2	3.5	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	1100	3	0.5	3.1	2.9	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1100	-	0.5	2.1	-	-	< 20	< 1	< 0.005	-
11-May-00	1000	-	< 0.2	2.7	-	-	< 20	< 1	< 0.005	-
19-Oct-00	1100	3.4	0.3	2.9	2.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1300	3	< 0.2	3.2	2.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1500	-	< 0.2	2.7	-	-	< 20	< 1	< 0.005	-
31-May-02	550	-	0.3	3	-	-	< 20	< 3	< 0.005	-
21-Nov-02	450	2.8	0.9	1.4	1.2	< 4	23	< 3	< 0.005	< 0.01
16-May-03	880	2.9	1.2	1.6	1.7	4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	180	-	< 0.2	1.1	-	-	20	< 3	< 0.005	-
27-May-04	1160	-	0.3	2.1	-	-	< 20	< 3	< 0.005	-
14-Dec-04	1890	-	1.5	2.5	-	-	27	< 3	< 0.005	-
11-May-05	908	2.8	1.2	2.5	10	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	1330	-	0.3	3.1	-	-	< 20	< 3	0.006	-
29-Dec-06	855	2.3	1.1	2.9	2.1	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	15	-	2	1.6	-	-	< 20	< 3	0.007	< 0.01
31-Oct-08	1060	3.6	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	1110	-	0.8	2.6	-	-	< 20	< 3	< 0.005	-
20-Oct-10	1040	-	-	2.4	-	-	< 20	< 3	-	-
15-Feb-11	1530	-	.6	1	-	-	-	-	-	-
30-Jun-11	1090	-	2.1	1.4	-	-	-	-	-	-
20-Dec-12	873	-	0.8	2.6	2	-	-	-	-	-
6-Jun-13	1035	-	0.21	3.3	-	-	< 5.0	< 1.0	< 0.01	-
28-Oct-14	1040	3.5	2.0	1.0	1.1	2.9	< 10	1.9	< 0.005	< 0.01
6-May-15	1220	-	< 0.1	3.5	-	-	< 10	-	< 0.005	-
2-Nov-16	1150	3.8	0.07	3.5	-	-	< 10	1.2	< 0.005	-
15-Jun-17	971	-	0.1	3.2	-	-	21	< 1.0	< 0.005	-
9-Oct-18	1280	-	0.22	2.8	-	-	18	< 1.0	< 0.005	-
19-Jun-19	1370	3.7	0.05	3.5	-	-	26	4.8	< 0.01	-
3-Dec-20	1040	3.4	0.08	3.5	4.3	2.7	19	2	< 0.005	< 0.01
23-Jun-21	1440	-	< 0.25	4.1	-	-	< 10	1.6	< 0.005	-
20-Dec-22	1170	-	0.12	3.4	5.2	-	40	3.8	-	-
10-Jul-23	807	-	0.66	1.0	-	-	269	24.3	< 0.005	-
19-Nov-24	657	-	1	8.8	-	-	362	59	0.1	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	—	—	0.009	< 0.3	—	< 0.005	160	—	—	—	2.7
20-Jun-96	0.27	< 0.003	0.012	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	3.5
5-Sep-96	—	—	0.019	< 0.3	—	< 0.005	460	—	—	—	4.2
12-Dec-96	—	—	0.008	< 0.3	—	< 0.005	360	—	—	—	2.1
28-Mar-97	—	—	0.02	< 0.3	—	< 0.005	390	—	—	—	3.9
3-Jun-97	—	—	0.019	< 0.3	—	< 0.005	420	—	—	—	4.8
30-Sep-97	< 0.05	< 0.003	0.009	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	2.9
9-Dec-97	—	—	0.009	< 0.3	—	< 0.005	430	—	—	—	2.5
30-Mar-98	—	—	0.006	< 0.3	—	0.005	400	—	—	—	2.5
22-Oct-98	0.14	0.004	0.008	< 0.3	< 0.005	< 0.005	140	< 0.05	< 0.01	< 0.02	2.8
10-Jun-99	0.14	< 0.003	0.011	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.03	2.8
7-Oct-99	—	—	—	—	—	< 0.005	480	—	—	—	2.9
11-May-00	—	—	—	—	—	< 0.005	370	—	—	—	2.7
19-Oct-00	0.27	< 0.003	0.009	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.02	2.6
6-Jun-01	< 0.05	< 0.003	0.011	< 0.3	< 0.005	< 0.005	360	< 0.05	< 0.01	< 0.02	2.3
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	400	—	—	—	5
31-May-02	—	—	0.047	< 0.3	—	< 0.005	330	—	—	—	5
21-Nov-02	0.3	< 0.003	< 0.010	< 0.03	< 0.005	0.007	370	< 0.05	< 0.01	0.03	2.2
16-May-03	0.32	0.012	< 0.010	< 0.3	< 0.005	0.007	390	< 0.05	< 0.01	0.03	2
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	210	—	—	—	1.4
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.6
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.5
11-May-05	0.18	< 0.003	0.024	< 0.3	< 0.005	< 0.005	330	< 0.05	< 0.01	0.05	2.3
17-Nov-05	—	—	0.025	< 0.3	—	< 0.005	350	—	—	—	2.8
29-Dec-06	0.11	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	280	< 0.05	< 0.01	< 0.02	1.6
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	410	—	—	—	3.4
31-Oct-08	< 0.05	< 0.003	0.013	0.3	< 0.005	< 0.005	460	< 0.05	< 0.01	< 0.02	4.5
1-Jun-09	—	—	—	—	—	< 0.005	460	—	—	—	2.3
20-Oct-10	—	—	—	—	—	< 0.005	550	—	—	—	3.2
15-Feb-11	—	—	—	—	—	—	490	—	—	—	4.3
30-Jun-11	—	—	—	—	—	—	480	—	—	—	4.8
20-Dec-12	—	—	—	—	—	—	420	—	—	—	1.9
6-Jun-13	—	—	—	—	—	< 0.005	402	—	—	—	3.1
28-Oct-14	—	—	< 0.010	< 0.010	—	—	446	—	—	—	2.0
6-May-15	—	—	—	—	—	< 0.005	460	—	—	—	3.0
2-Nov-16	—	—	—	—	—	< 0.0025	465	—	—	—	2.0
15-Jun-17	—	—	—	—	—	< 0.0025	484	—	—	—	0.6
9-Oct-18	—	—	—	—	—	< 0.0025	416	—	—	—	2.7
19-Jun-19	0.2	—	0.04	—	< 0.005	< 0.0025	442	—	—	—	10.6
3-Dec-20	< 0.2	< 0.06	0.032	< 0.2	< 0.005	< 0.0025	415	< 0.010	—	< 0.025	7.2
23-Jun-21	—	—	—	—	—	< 0.0025	402	—	—	—	3
20-Dec-22	0.2	—	—	—	—	—	504	—	—	—	8.0
10-Jul-23	—	—	—	—	—	0.0033	416	—	—	—	0.4
19-Nov-24	—	—	—	—	—	< 0.005	407	—	—	—	1.9

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	TI (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-5D											
29-Mar-96	< 0.001	19	0.07	< 0.0008	—	57	52	—	—	—	—
20-Jun-96	0.003	18	0.07	< 0.0004	< 0.03	41	50	< 0.001	< 0.05	< 0.003	0.04
5-Sep-96	0.009	23	0.08	< 0.0004	—	35	57	—	—	—	—
12-Dec-96	< 0.001	18	0.08	< 0.0004	—	45	59	—	—	—	—
28-Mar-97	0.002	19	0.07	< 0.0004	—	38	57	—	—	—	—
3-Jun-97	< 0.001	21	0.08	< 0.0004	—	34	65	—	—	—	—
30-Sep-97	< 0.001	20	0.07	< 0.0004	< 0.03	63	75	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	19	0.06	< 0.0004	—	66	78	—	—	—	—
30-Mar-98	< 0.001	15	0.05	< 0.0004	—	55	67	—	—	—	—
22-Oct-98	< 0.001	19	0.08	< 0.0004	0.07	50	64	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	18	0.08	< 0.0004	0.03	58	64	< 0.001	< 0.05	0.007	< 0.01
7-Oct-99	0.006	20	0.05	—	—	47	58	—	—	—	—
11-May-00	< 0.001	18	0.05	—	—	40	54	—	—	—	—
19-Oct-00	0.002	19	0.06	< 0.0004	0.07	46	55	< 0.001	< 0.05	0.056	< 0.01
6-Jun-01	< 0.001	17	0.06	< 0.0004	< 0.03	55	63	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	19	0.07	—	—	54	68	—	—	—	—
31-May-02	0.002	15	0.05	< 0.0004	—	46	54	—	—	—	—
21-Nov-02	< 0.001	16	0.05	< 0.0004	< 0.03	48	51	< 0.005	< 0.05	< 0.003	0.02
16-May-03	< 0.001	16	0.04	< 0.0004	0.07	42	53	< 0.005	< 0.05	< 0.003	0.04
18-Dec-03	< 0.001	16	0.04	< 0.0004	—	32	36	—	—	—	—
27-May-04	< 0.001	17	0.04	< 0.0004	—	42	48	—	—	—	—
14-Dec-04	0.002	17	0.03	< 0.0004	—	46	58	—	—	—	—
11-May-05	< 0.001	17	0.03	< 0.0004	< 0.03	48	58	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	15	0.05	< 0.0004	—	39	43	—	—	—	—
29-Dec-06	0.013	16	0.04	< 0.0004	< 0.03	35	46	< 0.005	< 0.05	0.012	0.23
27-Jun-07	< 0.003	18	0.03	< 0.0004	—	58	69	—	—	—	—
31-Oct-08	< 0.003	22	0.03	< 0.0004	< 0.03	67	75	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	20	0.04	—	—	44	75	—	—	—	—
20-Oct-10	—	22	0.09	—	—	46	120	—	—	—	—
15-Feb-11	—	22	0.04	—	—	51	77	—	—	—	—
30-Jun-11	—	22	0.03	—	—	47	82	—	—	—	—
20-Dec-12	—	22	0.04	—	—	41	87	—	—	—	—
6-Jun-13	< 0.02	19	0.06	—	—	51	58	—	—	—	—
28-Oct-14	—	20	0.05	—	—	58	67	—	—	—	—
6-May-15	—	20	0.06	—	—	62	69	—	—	—	—
2-Nov-16	< 0.005	21	0.09	—	—	57	67	—	—	—	—
15-Jun-17	< 0.005	22	0.07	—	—	60	69	—	—	—	—
9-Oct-18	< 0.005	19	0.06	—	—	55	65	—	—	—	—
19-Jun-19	< 0.005	20	0.11	—	—	60	70	—	—	—	0.02
3-Dec-20	< 0.005	20	0.11	—	< 0.04	58	67	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	18	0.07	—	—	53	60	—	—	—	—
20-Dec-22	—	20	0.09	—	—	59	71	—	—	—	0.031
10-Jul-23	0.0056	19	0.1	—	—	52	57	—	—	—	—
19-Nov-24	< 0.005	20	0.09	—	—	54	65	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
MW-6S										
29-Mar-96	48	80	7.3	700	-	12	330	320	380	10
20-Jun-96	55	235	7.4	620	21	36	210	320	410	10
5-Sep-96	59	1115	7.6	580	-	19	320	390	490	8
12-Dec-96	46	90	7.4	500	-	29	300	290	350	8
28-Mar-97	52	255	7.6	490	-	48	330	340	410	10
3-Jun-97	50	245	7.3	640	-	58	320	360	380	11
29-Sep-97	55	80	7.5	660	16	80	270	280	350	7
9-Dec-97	46	150	7.6	680	-	21	390	320	420	6
30-Mar-98	54	75	7.7	440	-	20	300	260	380	9
22-Oct-98	54	200	7.2	660	8	38	310	320	420	7
10-Jun-99	54	240	7.4	570	7	65	310	310	320	8
7-Oct-99	DRY	-	-	-	-	-	-	-	-	-
11-May-00	50	95	9	760	-	27	310	280	380	8
19-Oct-00	54	75	7.9	465	60	41	330	350	360	6
6-Jun-01	57	-92	8.1	460	25	14	290	300	660	8
12-Nov-01	49	-74	8.1	510	-	33	300	-	600	4
31-May-02	57	-60	7.7	507	-	25	320	300	320	11
21-Nov-02	53	-52	7.4	478	8	50	330	270	320	7
16-May-03	55	-58	7.9	494	6	10	320	380	370	11
18-Dec-03	46	-84	8.5	406	-	3	330	330	440	7
27-May-04	53	-58	7.5	645	-	1	310	310	367	11
14-Dec-04	48	-30	7.9	584	-	3	420	310	472	15
11-May-05	50	-35	7.5	635	10	8	320	270	322	12
17-Nov-05	51	-40	7.3	626	-	2	260	320	492	9
29-Dec-06	42	166	7.4	628	7	12	300	300	480	11
27-Jun-07	53	-150	8.7	373	-	20	310	350	388	11
31-Oct-08	55	-24	7.4	554	8	9	300	390	400	7
1-Jun-09	48	161	7.7	339	-	10	300	370	380	7
20-Oct-10	57	107	7.85	612	-	6	310	370	400	27
30-Jun-11	52	104	7.7	625	-	41.5	320	390	480	4
20-Dec-12	DRY	-	-	-	-	-	-	-	-	-
4-Jun-13	53	225	7.8	661	-	4	312	145	428	5.5
28-Oct-14	DRY	-	-	-	-	-	-	-	-	-
6-May-15	52	126	7.7	636	-	25	313	1100	422	7
2-Nov-16	DRY	-	-	-	-	-	-	-	-	-
15-Jun-17	64	47	7.6	604	-	73	291	440	401	8
9-Oct-18	60	-12	7.5	663	-	77	321	400	366	12
19-Jun-19	59	-23	7.4	679	-	19	344	350	336	12
3-Dec-20	50	-159	7.5	638	10	45	438	---	374	8
23-Jun-21	58	-141	9.0	687	-	100	370	440	504	11
20-Dec-22	44	-55	8.4	660	250	21	330	364	372	12
10-Jul-23	60	-69	8.2	679	-	29	325	383	402	11
19-Nov-24	49	-54	7.9	740	-	230	328	454	409	15

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-6S										
29-Mar-96	23	-	12	< 0.5	-	-	< 20	4	< 0.005	-
20-Jun-96	21	< 0.1	9.8	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	36	-	4.8	< 0.5	-	-	< 20	< 1	< 0.005	-
12-Dec-96	39	-	3.3	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	31	-	9	< 0.5	-	-	< 20	4	< 0.005	-
3-Jun-97	27	-	11	< 0.5	-	-	< 20	12	< 0.005	-
30-Sep-97	49	< 0.1	0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	34	-	3.9	< 0.5	-	-	< 20	< 1	< 0.005	-
30-Mar-98	23	-	7.4	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	38	< 0.1	2.7	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	22	< 0.1	7.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	DRY	-	-	-	-	-	-	-	-	-
11-May-00	27	-	6.2	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	55	< 0.1	0.9	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	32	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	54	-	< 0.2	1.4	-	-	< 20	< 1	< 0.005	-
31-May-02	31	-	6.4	< 0.5	-	-	< 20	< 3	< 0.005	-
21-Nov-02	55	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	29	< 0.5	6.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	54	-	2.9	< 0.5	-	-	20	< 3	< 0.005	-
27-May-04	25	-	7.9	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	50	-	4.8	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	24	< 0.5	15	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	48	-	0.3	< 0.5	-	-	< 20	< 3	< 0.005	-
29-Dec-06	25	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	36	-	6.5	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Oct-08	50	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	35	-	4.1	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	48	-	0.25	-	-	-	-	-	-	-
30-Jun-11	30	-	3.0	-	-	-	-	-	-	-
20-Dec-12	DRY	-	-	-	-	-	-	-	-	-
4-Jun-13	40	-	1.7	< 0.1	-	-	< 5.0	< 3	< 0.01	-
28-Oct-14	DRY	-	-	-	-	-	-	-	-	-
6-May-15	65	-	2.4	0.2	-	-	< 10	1.1	< 0.005	-
2-Nov-16	DRY	-	-	-	-	-	-	-	-	-
15-Jun-17	40	-	3.2	< 0.1	-	-	55	< 1	< 0.01	-
9-Oct-18	78	-	0.07	< 0.1	-	-	< 10	< 1	6.9	-
19-Jun-19	47	-	5.8	< 0.1	-	-	< 10	1.3	< 0.01	-
3-Dec-20	55	< 0.05	< 0.05	< 0.1	2.1	< 4	61	1.1	< 0.005	< 0.01
23-Jun-21	51	-	4.8	< 0.1	-	-	-	< 1	< 0.005	-
20-Dec-22	42	0.03	5.8	-	1.5	-	12	-	-	-
10-Jul-23	48	-	-	0.24	-	-	-	1.1	< 0.005	-
19-Nov-24	33	-	8.3	-	-	-	-	-	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-6S											
29-Mar-96	—	—	0.002	< 0.3	—	< 0.005	57	—	—	—	0.23
20-Jun-96	0.08	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	0.08
5-Sep-96	—	—	< 0.001	< 0.3	—	< 0.005	62	—	—	—	0.67
12-Dec-96	—	—	< 0.001	< 0.3	—	< 0.005	45	—	—	—	0.43
28-Mar-97	—	—	< 0.001	< 0.3	—	< 0.005	58	—	—	—	0.23
3-Jun-97	—	—	< 0.001	< 0.3	—	< 0.005	62	—	—	—	0.94
30-Sep-97	1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	45	< 0.05	< 0.01	< 0.02	1.7
9-Dec-97	—	—	0.001	< 0.3	—	< 0.005	53	—	—	—	0.11
30-Mar-98	—	—	0.002	< 0.3	—	< 0.005	55	—	—	—	0.89
22-Oct-98	0.5	< 0.003	0.002	< 0.3	< 0.005	< 0.005	47	< 0.05	< 0.01	< 0.02	0.73
10-Jun-99	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	56	< 0.05	< 0.01	0.03	0.67
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	< 0.005	48	—	—	—	0.38
19-Oct-00	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	0.78
6-Jun-01	0.2	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	0.4
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	57	—	—	—	7.3
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	49	—	—	—	0.66
21-Nov-02	0.23	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	41	< 0.05	< 0.01	0.02	0.39
16-May-03	0.22	< 0.003	< 0.010	< 0.3	< 0.005	0.007	69	< 0.05	< 0.01	< 0.02	0.15
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	50	—	—	—	0.35
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	55	—	—	—	0.13
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	51	—	—	—	0.15
11-May-05	0.15	< 0.003	< 0.010	< 0.3	< 0.005	0.007	44	< 0.05	< 0.01	0.03	0.27
17-Nov-05	—	—	< 0.010	< 0.3	—	< 0.005	48	—	—	—	0.18
29-Dec-06	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	0.66
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	58	—	—	—	0.53
31-Oct-08	0.09	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	52	< 0.05	< 0.01	< 0.02	0.56
1-Jun-09	—	—	—	—	—	< 0.005	64	—	—	—	0.08
20-Oct-10	—	—	—	—	—	—	55	—	—	—	0.12
30-Jun-11	—	—	—	—	—	—	63	—	—	—	0.3
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	—	—	—	—	—	< 0.005	58	—	—	—	0.05
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	< 0.005	184	—	—	—	16.6
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	< 0.0025	82	—	—	—	3.5
9-Oct-18	—	—	—	—	—	< 0.0025	71	—	—	—	7.5
19-Jun-19	2.4	—	—	—	—	< 0.0025	77	—	—	—	5.1
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	54	< 0.010	—	< 0.025	0.5
23-Jun-21	—	—	—	—	—	< 0.0025	74	—	—	—	0.9
20-Dec-22	0.9	—	—	0.1	—	—	64	—	—	—	1.2
10-Jul-23	—	—	—	—	—	< 0.0033	66	—	—	—	0.28
19-Nov-24	—	—	—	—	—	—	73	—	—	—	6.9

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	0.004	43	< 0.02	< 0.0004	—	0.9	2.7	—	—	—	—
20-Jun-96	0.002	44	0.02	< 0.0004	< 0.03	0.8	2.1	0.001	< 0.05	< 0.003	0.01
5-Sep-96	0.003	56	0.04	< 0.0004	—	1.2	4.2	—	—	—	—
12-Dec-96	0.001	42	< 0.02	< 0.0004	—	1.3	4.5	—	—	—	—
28-Mar-97	0.002	47	< 0.02	< 0.0004	—	1	4.7	—	—	—	—
3-Jun-97	0.01	50	0.07	< 0.0004	—	1.1	4.1	—	—	—	—
30-Sep-97	0.003	42	0.04	< 0.0004	< 0.03	1.7	5.7	< 0.001	< 0.05	< 0.003	0.08
9-Dec-97	0.002	45	< 0.02	< 0.0004	—	2.1	4.8	—	—	—	—
30-Mar-98	0.015	29	0.03	< 0.0004	—	1.5	5.1	—	—	—	—
22-Oct-98	0.003	49	0.04	< 0.0004	0.03	3.3	6.3	< 0.001	< 0.05	< 0.003	0.03
10-Jun-99	0.002	42	0.09	< 0.0004	< 0.03	1.9	6.1	< 0.001	< 0.05	< 0.003	0.04
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	0.002	39	< 0.02	—	—	3.8	7.2	—	—	—	—
19-Oct-00	0.004	51	0.04	< 0.0004	0.05	2.3	6	< 0.001	< 0.05	0.015	0.03
6-Jun-01	< 0.001	41	< 0.02	< 0.0004	< 0.03	3.2	6.6	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	0.004	50	0.2	< 0.0004	—	4.5	7.3	—	—	—	—
31-May-02	< 0.001	42	0.2	< 0.0004	—	1.2	5.5	—	—	—	—
21-Nov-02	< 0.001	41	< 0.02	< 0.0004	< 0.03	2.3	5.9	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	50	< 0.02	< 0.0004	0.06	2.1	5.5	< 0.005	< 0.05	< 0.003	0.07
18-Dec-03	0.001	50	0.03	< 0.0004	—	2.1	5.5	—	—	—	—
27-May-04	0.003	41	< 0.02	< 0.0004	—	1.2	5.3	—	—	—	—
14-Dec-04	0.001	46	< 0.02	< 0.0004	—	1.3	4.2	—	—	—	—
11-May-05	< 0.001	38	< 0.02	< 0.0004	< 0.03	1.1	2.9	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	49	0.14	< 0.0004	—	2.4	3.8	—	—	—	—
29-Dec-06	< 0.003	42	0.04	< 0.0004	< 0.03	0.8	2.8	< 0.005	< 0.05	< 0.005	0.29
27-Jun-07	< 0.001	48	< 0.02	< 0.0004	—	1.3	3.2	—	—	—	—
31-Oct-08	< 0.003	64	0.04	< 0.0004	< 0.03	1.9	4.7	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	50	< 0.02	—	—	1.3	5.8	—	—	—	—
20-Oct-10	—	57	—	—	—	2.0	4.8	—	—	—	—
30-Jun-11	—	55	—	—	—	1.4	3.3	—	—	—	—
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	< 0.02	48	< 0.01	—	—	1.1	4	—	—	—	—
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	< 0.02	94.5	—	—	—	< 0.5	5.4	—	—	—	—
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	0.007	61.6	0.18	—	—	< 5	< 0.5	—	—	—	—
9-Oct-18	< 0.005	61.5	0.27	—	—	< 5	5.5	—	—	—	—
19-Jun-19	< 0.005	57	0.23	—	—	< 5	7.4	—	—	—	—
3-Dec-20	< 0.005	57	0.05	—	< 0.04	< 5	5.5	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	55	0.16	—	—	< 5	7.6	—	—	—	—
20-Dec-22	—	62	0.11	—	—	2	4.2	—	—	—	—
10-Jul-23	—	53	0.1	—	—	1.4	3.2	—	—	—	—
19-Nov-24	—	66	0.26	—	—	4.3	4.6	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-8S										
29-Mar-96	48	-80	6.5	1000	—	0.65	580	540	690	36
20-Jun-96	54	180	7	950	23	1.4	310	540	730	38
5-Sep-96	59	55	7	1300	—	1.1	580	660	750	40
12-Dec-96	48	75	6.8	830	—	0.28	570	480	670	29
28-Mar-97	45	250	6.8	710	—	0.73	610	520	690	29
3-Jun-97	52	205	6.8	1300	—	0.51	580	580	780	35
30-Sep-97	54	55	6.6	1200	11	0.1	480	650	810	41
9-Dec-97	46	180	6.9	1200	—	2.05	580	510	680	7
30-Mar-98	50	135	6.5	760	—	0.67	550	560	670	29
22-Oct-98	50	110	6.6	1000	< 5	9.26	610	390	690	27
10-Jun-99	55	230	6.4	1000	< 4	1.04	690	610	660	32
7-Oct-99	48	140	6.6	1000	—	1.27	650	680	710	32
11-May-00	52	30	7.1	1000	—	1.39	590	440	600	21
19-Oct-00	53	70	7.3	424	< 5	1.5	680	670	670	38
6-Jun-01	52	-42	7.1	823	< 5	0.1	600	550	700	30
12-Nov-01	51	-16	7.3	832	—	1.14	790	—	730	36
31-May-02	51	-20	7.1	736	—	0.44	430	450	550	18
21-Nov-02	51	-1	6.4	818	7	0.8	620	410	500	2
16-May-03	50	-13	7.1	808	8	2.3	570	570	620	27
18-Dec-03	45	-22	7.4	506	—	1.8	630	500	660	5
27-May-04	52	-40	7.2	1059	—	1.36	540	500	620	26
14-Dec-04	48	-21	7.5	903	—	0.78	690	460	622	20
11-May-05	52	-8	6.8	1004	5	0.81	590	450	560	24
17-Nov-05	49	-15	6.8	1149	—	0.25	490	560	735	4
29-Dec-06	42	105	6.7	1026	7	0.29	580	480	673	31
27-Jun-07	52	-48	6.8	523	—	0.46	510	510	565	28
31-Oct-08	11	-21	7.4	872	< 5	2.12	560	630	642	15
1-Jun-09	50	215	6.7	503	—	0.43	500	560	580	23
20-Oct-10	50	78	7.4	1921	—	56	120	1300	1700	91
15-Feb-11	50	72	7.1	909	—	1.2	300	670	670	21
30-Jun-11	52	24	7.0	1043	—	1.76	610	560	680	25
26-Oct-12	54	182	6.3	1100	—	15	620	720	880	34
6-Jun-13	54	121	7.1	998	—	< 1.0	528	352	631	21
28-Oct-14	54	5	7.2	1190	—	1.2	605	656	671	34
5-May-15	61	80	6.9	840	—	< 1.0	505	1100	524	16
2-Nov-16	54	69	7.3	1035	5	3.2	619	600	633	17
15-Jun-17	56	-4	7.0	923	—	< 1.0	598	620	566	24
9-Oct-18	54	-6	6.8	1124	—	6.6	594	300	617	37
19-Jun-19	56	-22	6.9	934	—	4.7	469	367	440	17
3-Dec-20	55	-121	8.5	1049	—	6.4	605	---	664	25
23-Jun-21	58	-105	8.0	719	—	20	453	320	382	3
20-Dec-22	47	-11	7.2	842	—	4.9	560	471	501	6.5
10-Jul-23	52	-23	7.5	997	—	27	545	535	577	20
11-Nov-24	50	-23	7.5	990	—	17	573	528	574	6

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-8S										
29-Mar-96	20	-	0.8	< 0.5	-	-	< 20	2	< 0.005	-
20-Jun-96	27	0.2	1.9	< 0.5	1.5	< 4	24	3	< 0.005	< 0.01
5-Sep-96	24	-	< 0.2	0.8	-	-	< 20	4	< 0.005	-
12-Dec-96	24	-	3.8	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	23	-	1.6	< 0.5	-	-	20	2	< 0.005	-
3-Jun-97	29	-	1.5	< 0.5	-	-	< 20	3	< 0.005	-
30-Sep-97	24	0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	18	-	1.5	< 0.5	-	-	< 20	2	< 0.005	-
30-Mar-98	21	-	2.5	< 0.5	-	-	< 20	2	< 0.005	-
22-Oct-98	22	0.1	0.5	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	25	0.2	0.7	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	20	-	0.2	< 0.5	-	-	< 20	3	< 0.005	-
11-May-00	20	-	0.8	< 0.5	-	-	< 20	2	< 0.005	-
19-Oct-00	22	0.2	< 0.2	0.6	0.6	< 4	< 20	2	< 0.005	< 0.01
6-Jun-01	22	< 0.5	0.3	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
12-Nov-01	26	-	< 0.2	0.8	-	-	< 20	2	< 0.005	-
31-May-02	23	-	1.1	< 0.5	-	-	< 20	4	< 0.005	-
21-Nov-02	12	< 0.5	0.6	< 0.5	< 0.5	< 4	< 20	4	< 0.005	< 0.01
16-May-03	17	< 0.5	0.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	5	-	0.4	< 0.5	-	-	< 20	< 3	0.006	-
27-May-04	18	-	1.8	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	21	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	9	< 0.5	1.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	10	-	0.9	< 0.5	-	-	< 20	< 3	< 0.005	-
29-Dec-06	8	< 0.5	2.8	< 0.5	< 0.5	4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	21	-	1.5	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Oct-08	12	< 0.5	0.9	< 0.5	< 0.5	< 4	< 20	43	< 0.005	< 0.01
1-Jun-09	13	-	1.7	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	724	-	1.4	0.9	-	-	-	-	-	-
15-Feb-11	21	-	2.3	1.9	-	-	-	-	-	-
30-Jun-11	15	-	2.4	-	-	-	-	-	-	-
26-Oct-12	13	-	< 0.2	-	-	-	-	-	-	-
6-Jun-13	44	-	3.1	0.13	-	-	5	1.2	< 0.010	-
28-Oct-14	17	0.09	-	-	-	-	10	1.7	< 0.005	< 0.01
5-May-15	20	-	1.8	< 0.1	-	-	< 10	1.3	< 0.005	-
2-Nov-16	16	0.07	1.2	0.25	0.13	-	< 10	8.2	< 0.005	< 0.01
15-Jun-17	11	-	4.8	< 0.1	-	-	44	1.3	< 0.005	-
9-Oct-18	18	-	2.5	< 0.1	-	-	20	1.7	< 0.005	-
19-Jun-19	12	0.05	2.7	< 0.1	-	-	43	1.6	< 0.010	< 0.01
3-Dec-20	13	0.09	2.5	< 0.1	0.24	< 0.2	31	1.7	< 0.005	< 0.01
23-Jun-21	11	-	< 0.25	< 0.1	-	-	-	1.9	< 0.005	-
20-Dec-22	6	0.07	-	0.19	.72	-	32	1.7	-	-
10-Jul-23	14	-	3.5	0.19	-	-	24	2.3	< 0.005	-
11-Nov-24	6	-	1	< 0.1	-	-	8	1.9	< 0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-85											
29-Mar-96	–	–	0.002	0.4	–	< 0.005	160	–	–	–	0.34
20-Jun-96	0.08	< 0.003	< 0.001	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	0.8
5-Sep-96	–	–	< 0.001	0.4	–	< 0.005	190	–	–	–	0.69
12-Dec-96	–	–	< 0.001	0.3	–	< 0.005	140	–	–	–	0.07
28-Mar-97	–	–	< 0.001	< 0.3	–	< 0.005	150	–	–	–	< 0.03
3-Jun-97	–	–	< 0.001	0.4	–	< 0.005	170	–	–	–	0.21
30-Sep-97	< 0.05	< 0.003	0.002	< 0.3	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	0.04
9-Dec-97	–	–	< 0.001	< 0.3	–	< 0.005	150	–	–	–	< 0.03
30-Mar-98	–	–	< 0.001	0.4	–	< 0.005	170	–	–	–	0.06
22-Oct-98	0.11	< 0.003	< 0.001	0.4	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	0.78
10-Jun-99	0.1	< 0.003	< 0.001	0.3	< 0.005	< 0.005	180	< 0.05	< 0.01	< 0.02	0.04
7-Oct-99	–	–	–	–	–	< 0.005	200	–	–	–	0.1
11-May-00	–	–	–	–	–	< 0.005	130	–	–	–	0.12
19-Oct-00	0.1	< 0.003	< 0.001	0.4	< 0.005	< 0.005	200	< 0.05	< 0.01	< 0.02	0.17
6-Jun-01	< 0.05	< 0.003	< 0.001	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	0.15
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	150	–	–	–	0.22
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	130	–	–	–	0.06
21-Nov-02	0.07	< 0.003	< 0.010	< 0.3	< 0.005	0.007	120	< 0.05	< 0.01	0.02	0.05
16-May-03	0.19	< 0.003	< 0.010	< 0.3	< 0.005	0.008	170	< 0.05	< 0.01	0.02	0.09
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	140	–	–	–	0.26
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	150	–	–	–	0.11
14-Dec-04	–	–	< 0.010	< 0.3	–	0.008	130	–	–	–	0.17
11-May-05	0.08	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	130	< 0.05	< 0.01	0.032	0.09
17-Nov-05	–	–	< 0.010	0.4	–	< 0.005	160	–	–	–	0.08
29-Dec-06	0.06	< 0.003	< 0.010	0.4	< 0.005	< 0.005	130	< 0.05	< 0.01	< 0.02	0.12
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	140	–	–	–	0.06
31-Oct-08	< 0.05	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	< 0.03
1-Jun-09	–	–	–	–	–	< 0.005	160	–	–	–	< 0.03
20-Oct-10	–	–	–	–	–	–	470	–	–	–	4.3
15-Feb-11	–	–	–	–	–	–	190	–	–	–	–
30-Jun-11	–	–	–	–	–	–	160	–	–	–	0.04
26-Oct-12	–	–	–	0.4	–	–	210	–	–	–	0.04
6-Jun-13	–	–	–	–	–	< 0.005	141	–	–	–	< 0.05
28-Oct-14	–	–	–	0.09	–	–	186	–	–	–	0.12
5-May-15	–	–	–	–	–	< 0.005	143	–	–	–	< 0.1
2-Nov-16	–	–	–	0.29	–	< 0.0025	195	–	–	–	< 0.1
15-Jun-17	–	–	–	–	–	< 0.0025	179	–	–	–	< 0.1
9-Oct-18	–	–	–	–	–	< 0.0025	167	–	–	–	0.15
19-Jun-19	< 0.2	< 0.010	< 0.010	0.73	< 0.005	< 0.0025	136	< 0.01	–	< 0.025	0.29
3-Dec-20	< 0.2	< 0.06	< 0.010	0.31	< 0.005	< 0.0025	174	< 0.01	–	< 0.025	0.04
23-Jun-21	–	–	–	–	–	< 0.0025	108	–	–	–	< 0.02
20-Dec-22	< 0.2	–	–	0.61	–	–	162	–	–	–	0.374
10-Jul-23	–	–	–	–	–	< 0.0033	155	–	–	–	0.49
11-Nov-24	–	–	–	–	–	< 0.005	150	–	–	–	0.6

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-8S											
29-Mar-96	0.004	33	2.6	< 0.0004	—	7.7	13	—	—	—	—
20-Jun-96	0.003	34	2.6	< 0.0004	< 0.030	6.8	17	0.003	< 0.05	< 0.003	0.01
5-Sep-96	0.002	44	3.2	< 0.0004	—	7.5	19	—	—	—	—
12-Dec-96	< 0.001	32	2.3	< 0.0004	—	7.3	16	—	—	—	—
28-Mar-97	0.001	34	2.5	< 0.0004	—	6.7	14	—	—	—	—
3-Jun-97	0.003	40	3.1	< 0.0004	—	5.6	17	—	—	—	—
30-Sep-97	0.002	43	2.9	< 0.0004	< 0.030	11	24	< 0.001	< 0.05	< 0.003	0.01
9-Dec-97	0.002	32	2.2	< 0.0004	—	13	17	—	—	—	—
30-Mar-98	0.005	33	2.3	< 0.0004	—	8.4	15	—	—	—	—
22-Oct-98	0.002	35	5.2	< 0.0004	0.06	10	19	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	0.002	38	2.6	< 0.0004	0.04	12	17	< 0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.009	45	3	—	—	8.5	17	—	—	—	—
11-May-00	0.002	29	1.7	—	—	6.6	12	—	—	—	—
19-Oct-00	0.003	41	2.6	< 0.0004	0.07	7.9	13	< 0.001	< 0.05	0.013	< 0.01
6-Jun-01	< 0.001	36	1.9	< 0.0004	< 0.030	13	15	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	35	2.1	< 0.0004	—	8.2	19	—	—	—	—
31-May-02	0.002	30	1.9	< 0.0004	—	5.6	10	—	—	—	—
21-Nov-02	< 0.001	27	1.3	< 0.0004	< 0.030	4.9	6	< 0.005	< 0.05	< 0.003	0.01
16-May-03	< 0.001	36	1.5	< 0.0004	0.06	7	14	< 0.005	< 0.05	< 0.003	0.06
18-Dec-03	< 0.001	34	3	< 0.0004	—	7.3	10	—	—	—	—
27-May-04	0.002	33	1.4	< 0.0004	—	5.9	11	—	—	—	—
14-Dec-04	< 0.001	32	2.3	< 0.0004	—	6.1	10	—	—	—	—
11-May-05	< 0.001	32	1.8	< 0.0004	< 0.030	6.1	9	< 0.005	< 0.05	< 0.003	0.06
17-Nov-05	< 0.001	38	1.8	< 0.0004	—	6	5	—	—	—	—
29-Dec-06	< 0.003	36	2.2	< 0.0004	< 0.030	4.9	13	< 0.005	< 0.05	< 0.003	0.23
27-Jun-07	< 0.001	37	1.9	< 0.0004	—	6.3	12	—	—	—	—
31-Oct-08	< 0.003	49	3.3	< 0.0004	< 0.030	6.8	12	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	40	1.7	—	—	6.5	11	—	—	—	—
20-Oct-10	—	21	0.03	—	—	47	80	—	—	—	—
15-Feb-11	—	49	2.2	—	—	7.6	13	—	—	—	—
30-Jun-11	—	41	2.0	—	—	6.7	13	—	—	—	—
26-Oct-12	—	45	3.1	—	—	7.1	16	—	—	—	—
6-Jun-13	< 0.02	37	1.7	—	—	5.5	8.5	—	—	—	—
28-Oct-14	—	47	2.8	—	0.006	7.0	16	—	—	—	< 0.01
5-May-15	< 0.003	35	1.2	—	—	6.2	71	—	—	—	—
2-Nov-16	—	45	0.7	—	—	7.8	14	—	—	—	—
15-Jun-17	< 0.005	41	3.1	—	—	7.2	12	—	—	—	—
9-Oct-18	< 0.005	39	12.4	—	—	5.5	15	—	—	—	—
19-Jun-19	< 0.005	30	24.3	—	< 0.040	6.0	13	—	—	—	0.04
3-Dec-20	< 0.005	42	2.8	—	< 0.040	6.2	17	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	24	1.2	—	—	< 5	< 5	—	—	—	—
20-Dec-22	—	37	8.1	—	—	5.8	8	—	—	—	—
10-Jul-23	0.0056	36	4.5	—	—	5.6	11	—	—	—	—
11-Nov-24	< 0.005	37	10.9	—	—	6.1	11	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
MW-8D										
29-Mar-96	48	-80	7.2	2300	-	28	160	1000	1900	90
20-Jun-96	55	120	7.4	1900	22	14	140	990	1900	86
5-Sep-96	55	-	7.4	1900	-	13	160	1200	2000	98
12-Dec-96	48	-60	7	1800	-	3	150	970	2100	120
28-Mar-97	46	10	6.9	1700	-	10	150	1100	2200	130
3-Jun-97	52	-10	7.1	2300	-	6	130	1200	2200	130
30-Sep-97	52	< -80	7.1	2400	20	11	120	1200	2200	150
9-Dec-97	46	105	7.4	2800	-	14	150	1000	2100	130
30-Mar-98	54	-65	7.1	1600	-	4	140	1100	2100	130
22-Oct-98	50	< -80	7.2	1600	< 5	7	140	430	2200	130
10-Jun-99	55	< -80	7	2500	19	37	150	1100	2000	160
7-Oct-99	48	-60	7.2	2200	-	6	150	1400	2200	160
11-May-00	55	-70	7.8	2900	-	3	150	1100	2000	200
19-Oct-00	54	< -80	7.3	1608	22	12	140	1200	1800	120
6-Jun-01	57	-60	7.4	1838	20	7	120	860	2000	110
12-Nov-01	55	-34	7.6	1787	-	34	140	-	2100	200
31-May-02	57	-51	7.6	1851	-	9	130	990	2000	160
21-Nov-02	51	-36	7.1	1683	24	37	140	930	2200	150
16-May-03	51	-20	7.2	1633	10	7	150	1200	2100	170
18-Dec-03	46	-19	7.3	657	-	16	160	940	1800	74
27-May-04	54	-34	7.1	2220	-	6	230	900	1850	119
14-Dec-04	47	-52	8.1	1779	-	116	320	950	2180	143
11-May-05	55	-39	7.3	2220	100	7	140	900	1740	131
17-Nov-05	49	-45	7.3	2500	-	4	200	970	2040	78
29-Dec-06	42	-10	7.4	1860	25	12	130	1100	1740	126
27-Jun-07	54	-62	7.1	992	-	9	110	1100	1740	133
31-Oct-08	51	-22	7.4	1472	20	12	110	1100	1590	126
1-Jun-09	51	185	7.2	1429	-	40	110	1300	2100	181
20-Oct-10	50	23	7.0	915	-	54	540	610	650	16
15-Feb-11	49	21	7.6	1609	-	8	82	1300	2000	139
30-Jun-11	53	-97	7.4	2250	-	7	130	1100	1800	121
26-Oct-12	59	98	6.6	2594	-	19	120	1700	2100	165
6-Jun-13	57	-33	7.4	2520	-	16	124	1031	2156	215
28-Oct-14	52	-69	7.5	2320	-	70	127	1120	1780	86
5-May-15	59	-56	7.6	2190	-	25	125	1600	2000	145
2-Nov-16	56	52	7.6	2260	-	20	134	1280	1760	110
15-Jun-17	63	23	7.2	1949	-	11	146	1340	1720	103
9-Oct-18	66	-12	7.3	2310	-	16	140	1100	1750	107
19-Jun-19	58	-90	7.3	2360	-	9	125	1170	1620	182
3-Dec-20	55	-156	8.9	1613	-	75	222	---	1390	62
23-Jun-21	65	-113	8.3	1744	-	35	154	820	1350	67
20-Dec-22	55	-26	7.5	1533	250	28	170	938	1350	43
10-Jul-23	55	-55	7.9	1656	-	12	150	892	1305	57
19-Nov-24	49	-34	7.6	1780	-	9	175	838	1450	57

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-8D										
29-Mar-96	880	-	< 0.2	3	-	-	< 20	2	< 0.005	-
20-Jun-96	1200	3.2	< 0.2	2.9	3.3	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	1100	-	< 0.2	3	-	-	< 20	1	< 0.005	-
12-Dec-96	1200	-	< 0.2	3.2	-	-	< 20	1	< 0.005	-
28-Mar-97	1100	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
3-Jun-97	1300	-	< 0.2	3.2	-	-	< 20	< 1	< 0.005	-
30-Sep-97	1100	2.9	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1100	-	< 0.2	2.5	-	-	< 20	< 1	< 0.005	-
30-Mar-98	950	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	1100	3.5	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	980	2.9	< 0.2	3.8	3.8	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1100	-	< 0.2	3.6	-	-	< 20	< 1	< 0.005	-
11-May-00	920	-	< 0.2	3.4	-	-	< 20	< 1	< 0.005	-
19-Oct-00	980	3.5	< 0.2	3.2	2.8	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1200	3.2	< 0.2	3.8	3.8	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1300	-	< 0.2	3.9	-	-	< 20	< 1	< 0.005	-
31-May-02	1100	-	< 0.2	3.6	-	-	< 20	< 3	< 0.005	-
21-Nov-02	1300	3	< 0.2	2.6	3.4	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	890	3.6	< 0.2	3.3	3.4	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	220	-	< 0.2	2.5	-	-	< 20	< 3	< 0.005	-
27-May-04	859	-	< 0.2	4	-	-	< 20	< 3	< 0.005	-
14-Dec-04	2250	-	< 0.2	6.6	-	-	< 20	< 3	< 0.005	-
11-May-05	790	3	0.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	921	-	< 0.2	3.1	-	-	< 20	< 3	< 0.005	-
29-Dec-06	716	3.7	< 0.2	< 0.5	< 0.5	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	153	-	0.2	3.1	-	-	< 20	< 3	< 0.005	-
31-Oct-08	952	3.7	1.4	2.7	2.8	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	1320	-	< 0.2	3.7	-	-	< 20	< 3	< 0.005	-
20-Oct-10	29.5	-	< 0.2	0.6	-	-	20	-	-	-
15-Feb-11	1400	-	-	-	-	-	-	-	-	-
30-Jun-11	1030	-	-	-	-	-	-	-	-	-
26-Oct-12	949	4.0	-	3.6	-	-	-	-	-	-
6-Jun-13	1035	-	-	< 0.05	-	-	5	< 1.0	< 0.010	-
28-Oct-14	976	3.7	-	3.0	3.0	-	< 10	-	< 0.005	< 0.01
5-May-15	1240	-	< 0.1	3.9	-	-	< 10	-	< 0.005	-
2-Nov-16	< 5	4.0	< 0.05	4.1	3.6	-	19	< 1.0	< 0.005	< 0.01
15-Jun-17	942	-	< 0.05	3.9	-	-	28	< 1.0	< 0.005	-
9-Oct-18	1090	-	0.13	3.7	-	-	16	< 1.0	< 0.005	-
19-Jun-19	1370	3.7	< 0.05	3.9	-	< 4	< 10	< 1.0	< 0.010	-
3-Dec-20	< 25	2.6	3.3	0.83	< 0.50	< 2	< 2.0	1.5	< 0.005	< 0.01
23-Jun-21	3280	-	< 0.25	3.4	-	-	< 10	< 1.0	< 0.005	-
20-Dec-22	623	3.9	0.5	2.1	2.7	-	24	1.02	-	-
10-Jul-23	928	-	1.1	0.5	-	-	24	< 1.0	-	-
19-Nov-24	749	-	2.2	0.13	-	-	8	< 1.0	< 0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-8D											
29-Mar-96	–	–	0.024	< 0.3	–	< 0.005	370	–	–	–	3.6
20-Jun-96	0.19	< 0.003	0.024	< 0.3	< 0.005	< 0.005	370	< 0.05	< 0.01	< 0.02	3.6
5-Sep-96	–	–	0.022	< 0.3	–	< 0.005	440	–	–	–	4.1
12-Dec-96	–	–	0.043	< 0.3	–	< 0.005	360	–	–	–	2.8
28-Mar-97	–	–	0.008	< 0.3	–	0.006	400	–	–	–	3.3
3-Jun-97	–	–	0.014	< 0.3	–	< 0.005	430	–	–	–	3.5
30-Sep-97	0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	3.5
9-Dec-97	–	–	0.016	< 0.3	–	< 0.005	380	–	–	–	3
30-Mar-98	–	–	0.012	< 0.3	–	< 0.005	430	–	–	–	3
22-Oct-98	0.17	< 0.003	0.014	< 0.3	< 0.005	0.005	140	< 0.05	< 0.01	0.02	3.1
10-Jun-99	0.18	< 0.003	0.012	< 0.3	< 0.005	< 0.005	400	< 0.05	< 0.01	0.02	2.7
7-Oct-99	–	–	–	–	–	< 0.005	510	–	–	–	3.5
11-May-00	–	–	–	–	–	< 0.005	390	–	–	–	3
19-Oct-00	0.14	< 0.003	0.017	< 0.3	< 0.005	0.006	450	< 0.05	< 0.01	0.03	3.2
6-Jun-01	0.08	< 0.003	0.01	< 0.3	< 0.005	< 0.005	320	< 0.05	< 0.01	< 0.02	2.9
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	320	–	–	–	2.9
31-May-02	–	–	0.013	< 0.3	–	< 0.005	370	–	–	–	2.7
21-Nov-02	0.17	< 0.003	0.017	< 0.3	< 0.005	< 0.005	350	< 0.05	< 0.01	0.03	2.9
16-May-03	0.24	0.015	0.015	< 0.3	< 0.005	0.007	440	< 0.05	< 0.01	0.02	3.3
18-Dec-03	–	–	0.03	< 0.3	–	< 0.005	350	–	–	–	5.1
27-May-04	–	–	0.011	< 0.3	–	< 0.005	340	–	–	–	3.4
14-Dec-04	–	–	0.098	< 0.3	–	0.008	350	–	–	–	8.5
11-May-05	0.13	< 0.003	0.02	< 0.3	< 0.005	< 0.005	340	< 0.05	< 0.01	0.042	2.8
17-Nov-05	–	–	0.015	< 0.3	–	< 0.005	360	–	–	–	2.7
29-Dec-06	0.29	< 0.003	0.017	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	4.3
27-Jun-07	–	–	0.011	< 0.3	–	< 0.005	390	–	–	–	3.3
31-Oct-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	< 0.02	0.3
1-Jun-09	–	–	–	–	–	< 0.005	480	–	–	–	2.3
20-Oct-10	–	–	–	–	–	–	180	–	–	–	5.3
15-Feb-11	–	–	–	–	–	–	490	–	–	–	3.4
30-Jun-11	–	–	–	–	–	–	420	–	–	–	3.7
26-Oct-12	–	–	–	–	–	–	480	–	–	–	4.1
6-Jun-13	–	–	–	–	–	< 0.005	413	–	–	–	3.2
28-Oct-14	–	–	0.03	0.01	–	–	419	–	–	–	5.1
5-May-15	–	–	–	–	–	< 0.005	438	–	–	–	3.9
2-Nov-16	–	–	–	–	–	< 0.0025	509	–	–	–	0.5
15-Jun-17	–	–	–	–	–	< 0.0025	543	–	–	–	0.7
9-Oct-18	–	–	–	–	–	< 0.0025	428	–	–	–	1.3
19-Jun-19	< 0.2	< 0.010	< 0.010	< 0.2	< 0.005	< 0.0025	439	< 0.01	–	< 0.025	1.2
3-Dec-20	0.68	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	272	< 0.01	–	< 0.025	6.5
23-Jun-21	–	–	–	–	–	< 0.0025	319	–	–	–	1.9
20-Dec-22	0.63	–	–	0.03	–	–	339	–	–	–	6.4
10-Jul-23	–	–	–	–	–	< 0.0033	301	–	–	–	1.6
19-Nov-24	–	–	–	–	–	< 0.005	306	–	–	–	0.7

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-8D											
29-Mar-96	< 0.001	18	0.08	< 0.0004	—	54	54	—	—	—	—
20-Jun-96	0.007	17	0.07	0.0008	< 0.03	43	49	0.002	< 0.05	< 0.003	0.03
5-Sep-96	0.002	22	0.08	< 0.0004	—	21	53	—	—	—	—
12-Dec-96	< 0.001	16	0.06	< 0.0004	—	47	68	—	—	—	—
28-Mar-97	< 0.001	18	0.07	< 0.0004	—	40	60	—	—	—	—
3-Jun-97	0.002	20	0.08	< 0.0004	—	66	70	—	—	—	—
30-Sep-97	< 0.001	20	0.08	< 0.0004	< 0.03	66	94	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.003	16	0.07	< 0.0004	—	68	93	—	—	—	—
30-Mar-98	< 0.001	18	0.07	< 0.0004	—	58	82	—	—	—	—
22-Oct-98	< 0.001	19	0.09	< 0.0004	0.07	56	83	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	17	0.07	< 0.0004	0.05	57	75	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.003	22	0.08	—	—	56	84	—	—	—	—
11-May-00	< 0.001	19	0.07	—	—	45	78	—	—	—	—
19-Oct-00	< 0.001	18	0.07	< 0.0004	0.07	47	66	< 0.001	0.07	0.05	< 0.01
6-Jun-01	0.001	16	0.06	< 0.0004	< 0.03	58	77	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	14	0.06	< 0.0004	—	49	73	—	—	—	—
31-May-02	0.002	17	0.06	< 0.0004	—	48	77	—	—	—	—
21-Nov-02	< 0.001	15	0.06	< 0.0004	< 0.03	37	59	< 0.005	< 0.05	< 0.003	0.01
16-May-03	< 0.001	19	0.08	< 0.0004	0.06	51	74	< 0.005	< 0.05	0.007	0.03
18-Dec-03	< 0.001	16	0.07	< 0.0004	—	48	55	—	—	—	—
27-May-04	< 0.001	15	0.06	< 0.0004	—	44	53	—	—	—	—
14-Dec-04	0.002	18	0.13	< 0.0004	—	47	69	—	—	—	—
11-May-05	< 0.001	16	0.07	< 0.0004	< 0.03	47	67	< 0.005	< 0.05	< 0.003	< 0.1
17-Nov-05	< 0.002	16	0.14	< 0.0004	—	38	54	—	—	—	—
29-Dec-06	< 0.003	19	0.1	< 0.0004	< 0.03	56	67	< 0.005	< 0.05	0.012	1.8
27-Jun-07	< 0.002	18	0.09	< 0.0004	—	60	72	—	—	—	—
31-Oct-08	< 0.003	21	< 0.02	< 0.0004	< 0.03	49	81	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	19	0.08	—	—	48	110	—	—	—	—
20-Oct-10	—	39	1.4	—	—	8	13	—	—	—	—
15-Feb-11	—	21	0.08	—	—	63	100	—	—	—	—
30-Jun-11	—	19	0.07	—	—	41	83	—	—	—	—
26-Oct-12	—	23	0.1	—	—	30	140	—	—	—	—
6-Jun-13	< 0.02	19	0.07	—	—	58	83	—	—	—	—
28-Oct-14	—	19	0.09	—	0.006	58	69	—	—	—	< 0.01
5-May-15	< 0.003	20	0.09	—	—	67	86	—	—	—	—
2-Nov-16	< 0.005	21	0.1	—	—	67	98	—	—	—	—
15-Jun-17	< 0.005	22	0.1	—	—	70	103	—	—	—	—
9-Oct-18	< 0.005	18	0.11	—	—	57	80	—	—	—	—
19-Jun-19	< 0.005	19	0.09	—	< 0.04	59	87	< 0.01	—	—	< 0.02
3-Dec-20	< 0.005	27	0.34	—	< 0.04	38	73	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	15	0.11	—	—	47	46	—	—	—	—
20-Dec-22	—	19	0.61	—	—	43	44	—	—	—	0.03
10-Jul-23	0.0056	14.3	0.16	—	—	41	41	—	—	—	—
19-Nov-24	< 0.005	18	0.12	—	—	49	47	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

	FIELD PARAMETERS				INORGANIC PARAMETERS					
GROUND WATER	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	HARD.		TDS (mg/l)	Cl (mg/l)
							ALK. (mg/l CaCO ₃)	(mg/l CaCO ₃)		
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
MW-9S										
29-Mar-96	45	-60	7.6	740	-	38	350	300	400	11
20-Jun-96	52	285	7.3	620	90	85	210	300	370	10
5-Sep-96	59	25	7.8	860	-	182	290	370	430	11
12-Dec-96	46	55	7.7	540	-	277	300	340	410	13
28-Mar-97	45	165	7.7	480	-	40	340	280	390	15
4-Jun-97	52	180	7.7	630	-	48	320	330	400	15
30-Sep-97	54	65	7.7	710	16	12	300	310	480	15
9-Dec-97	46	135	7.9	770	-	49	390	270	420	20
31-Mar-98	54	-50	7.6	740	-	409	280	320	420	18
22-Oct-98	52	< -80	7.4	660	12	261	290	360	490	21
10-Jun-99	12	< -30	7.5	740	8	326	290	320	180	28
7-Oct-99	46	55	7.5	870	-	101	310	410	380	23
11-May-00	54	10	8.3	1050	-	398	280	350	400	31
19-Oct-00	55	10	8	630	12	22	310	350	440	36
6-Jun-01	54	-71	7.5	572	60	70	270	300	410	31
12-Nov-01	49	-61	8.1	480	-	45	280	-	420	21
31-May-02	53	-72	8	531	-	19	290	290	330	24
21-Nov-02	51	-52	7.3	680	11	16	300	320	410	23
20-May-03	49	-49	7.7	557	14	30	310	310	490	40
18-Dec-03	47	-108	8.9	455	-	10	260	320	480	52
27-May-04	51	-61	7.6	846	-	6	240	230	375	48
14-Dec-04	49	-76	8.5	609	-	16	410	250	498	62
11-May-05	52	-50	7.7	694	50	8	290	280	347	44
17-Nov-05	49	-50	7.7	718	-	4	200	240	527	46
29-Dec-06	46	-17	7.7	633	12	10	260	280	452	53
27-Jun-07	53	-68	7.2	421	-	32	260	310	410	62
31-Oct-08	50	-43	7.8	613	30	10	250	410	400	64
1-Jun-09	47	163	7.7	319	-	48	230	300	390	54
20-Oct-10	53	91	8.0	690	-	173	260	390	490	63
30-Jun-11	51	-15	7.8	687	-	10.2	250	340	480	72
26-Oct-12	62	67	6.9	739	-	79	260	410	620	64
6-Jun-13	56	78	7.8	776	-	122	256	157	494	70
28-Oct-14	52	38	8.0	830	-	37	267	367	468	78
5-May-15	57	28	7.5	750	-	98	255	550	484	81
2-Nov-16	54	5	8.2	727	< 5.0	20	266	300	459	94
15-Jun-17	52	-30	7.4	670	-	5.5	298	400	463	72
9-Oct-18	66	-31	7.6	820	-	25	274	320	438	94
19-Jun-19	62	-31	7.3	822	-	18	274	300	454	104
3-Dec-20	59	-157	8.9	831	-	800	313	---	489	73
3-Jun-21	56	-142	8.9	795	-	340	424	480	350	78
20-Dec-22	42	-60	8.1	795	1000	63	300	303	450	90
10-Jul-23	59	-68	8.2	786	-	450	174	566	434	77
19-Nov-24	53	-67	8.9	790	-	>2000	269	1880	429	76

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-9S										
29-Mar-96	54	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
20-Jun-96	82	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	85	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
12-Dec-96	85	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	70	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
4-Jun-97	84	-	< 0.2	< 0.5	-	-	< 20	3	< 0.005	-
30-Sep-97	71	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	61	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
31-Mar-98	62	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	76	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	66	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	68	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
11-May-00	67	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	56	< 0.1	0.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	120	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	83	-	< 0.2	0.8	-	-	< 20	< 1	< 0.005	-
31-May-02	42	-	< 0.2	< 0.5	-	-	< 20	4	< 0.005	-
21-Nov-02	48	< 0.5	1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
20-May-03	45	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	68	-	< 0.2	< 0.5	-	-	28	3	< 0.005	-
27-May-04	34	-	1.4	< 0.5	-	-	21	5	< 0.005	-
14-Dec-04	48	-	0.9	< 0.5	-	-	21	3	< 0.005	-
11-May-05	35	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	0.006	< 0.01
17-Nov-05	28	-	1.8	< 0.5	-	-	21	3	< 0.005	-
29-Dec-06	23	< 0.5	1.5	< 0.5	< 0.5	4	< 20	3	< 0.005	< 0.01
27-Jun-07	61	-	0.3	< 0.5	-	-	< 20	4	< 0.005	-
31-Oct-08	36	< 0.5	1.1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	51	-	0.4	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	51	-	< 0.2	-	-	-	-	-	-	-
30-Jun-11	43	-	0.6	-	-	-	-	-	-	-
26-Oct-12	47	-	-	-	-	-	-	-	-	-
6-Jun-13	49	-	< 0.05	< 0.01	-	-	< 5.0	< 1.0	< 0.010	-
28-Oct-14	50	-	0.12	-	0.6	-	< 10	1.2	< 0.005	< 0.01
5-May-15	54	-	< 0.1	< 0.1	-	-	< 10	-	< 0.005	-
2-Nov-16	67	-	< 0.05	< 0.1	0.25	-	< 10	1.6	< 0.005	< 0.01
15-Jun-17	44	-	< 0.05	< 0.1	-	-	238	1.2	< 0.005	-
9-Oct-18	81	-	< 0.05	< 0.1	-	-	18	< 1.0	0.008	-
19-Jun-19	72	< 0.05	< 0.05	0.11	-	-	< 10	2.6	< 0.010	-
3-Dec-20	52	0.054	0.13	< 0.1	0.76	< 4	61	1.6	< 0.005	< 0.01
3-Jun-21	52	-	< 0.25	< 0.1	-	-	16	1.6	< 0.005	-
20-Dec-22	17	-	0.15	0.1	2.1	-	47	1.2	-	-
10-Jul-23	49	-	0.43	0.26	-	-	95	1.3	< 0.005	-
19-Nov-24	42	-	< 0.1	0.18	-	-	36	2	< 0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-9S											
29-Mar-96	–	–	0.002	< 0.3	–	< 0.005	52	–	–	–	0.74
20-Jun-96	0.55	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	49	< 0.05	< 0.01	< 0.02	1.3
5-Sep-96	–	–	0.001	< 0.3	–	< 0.005	63	–	–	–	1.9
12-Dec-96	–	–	0.001	< 0.3	–	< 0.005	60	–	–	–	4.5
28-Mar-97	–	–	0.002	< 0.3	–	< 0.005	48	–	–	–	0.45
3-Jun-97	–	–	0.001	< 0.3	–	< 0.005	56	–	–	–	0.83
30-Sep-97	0.25	< 0.003	0.003	< 0.3	< 0.005	< 0.005	53	< 0.05	< 0.01	< 0.02	0.68
9-Dec-97	–	–	0.002	< 0.3	–	< 0.005	49	–	–	–	0.14
30-Mar-98	–	–	0.002	< 0.3	–	< 0.005	61	–	–	–	4.1
22-Oct-98	5.1	< 0.003	0.003	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	0.02	8.7
10-Jun-99	1.6	< 0.003	0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	2.4
7-Oct-99	–	–	–	–	–	< 0.005	73	–	–	–	2.1
11-May-00	–	–	–	–	–	< 0.005	61	–	–	–	4.6
19-Oct-00	0.26	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	1.7
6-Jun-01	0.89	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	1.9
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	55	–	–	–	1.3
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	48	–	–	–	1.2
21-Nov-02	0.58	< 0.003	< 0.010	< 0.3	< 0.005	0.005	55	< 0.05	< 0.01	< 0.02	0.84
16-May-03	0.35	< 0.003	< 0.010	< 0.3	< 0.005	0.007	53	< 0.05	< 0.01	< 0.02	0.42
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	68	–	–	–	3.1
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	48	–	–	–	2.6
14-Dec-04	–	–	0.02	< 0.3	–	< 0.005	66	–	–	–	1.4
11-May-05	0.38	< 0.003	0.011	< 0.3	< 0.005	< 0.005	48	< 0.05	< 0.01	0.09	2
17-Nov-05	–	–	< 0.010	< 0.3	–	< 0.005	64	–	–	–	0.28
29-Dec-06	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	73	< 0.05	< 0.01	< 0.02	1.1
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	59	–	–	–	0.9
31-Oct-08	0.09	0.099	0.01	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	1.2
1-Jun-09	–	–	–	–	–	< 0.005	58	–	–	–	1.6
20-Oct-10	–	–	–	–	–	–	73	–	–	–	2.7
30-Jun-11	–	–	–	–	–	–	69	–	–	–	2.2
26-Oct-12	0.9	–	–	–	–	–	83	–	–	–	0.9
6-Jun-13	–	–	–	–	–	< 0.005	63	–	–	–	1.7
28-Oct-14	0.19	–	–	0.07	–	–	62	–	–	–	0.9
5-May-15	–	–	–	–	–	< 0.005	63	–	–	–	2.6
2-Nov-16	1.9	–	–	–	–	< 0.0025	70	–	–	–	3.4
15-Jun-17	–	–	–	–	–	< 0.0025	66	–	–	–	0.6
9-Oct-18	–	–	–	–	–	< 0.0025	63	–	–	–	1.4
19-Jun-19	0.26	< 0.060	< 0.010	0.2	< 0.005	< 0.0025	63	< 0.01	–	< 0.025	0.8
3-Dec-20	8.2	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	106	0.02	–	< 0.025	21.2
3-Jun-21	–	–	–	–	–	< 0.0025	99	–	–	–	4.7
20-Dec-22	5.9	–	–	0.11	–	–	78	0.01	–	–	6.5
10-Jul-23	–	–	–	–	–	< 0.0033	129	–	–	–	6.7
19-Nov-24	–	–	–	–	–	< 0.0033	459	–	–	–	185

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-9S											
29-Mar-96	0.004	41	0.13	< 0.0004	—	1.7	17	—	—	—	—
20-Jun-96	0.003	44	0.15	0.0008	< 0.03	2.1	20	0.002	< 0.05	< 0.003	0.05
5-Sep-96	0.004	52	0.09	< 0.0004	—	2.5	18	—	—	—	—
12-Dec-96	0.003	45	0.17	< 0.0004	—	3.2	19	—	—	—	—
28-Mar-97	0.001	39	0.08	< 0.0004	—	1.6	18	—	—	—	—
3-Jun-97	0.005	46	0.13	< 0.0004	—	1.7	19	—	—	—	—
30-Sep-97	0.003	44	0.09	< 0.0004	< 0.03	1.8	22	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.002	37	0.04	< 0.0004	—	2.8	28	—	—	—	—
30-Mar-98	0.007	41	0.09	< 0.0004	—	3.6	22	—	—	—	—
22-Oct-98	< 0.001	49	0.27	< 0.0004	0.07	5.4	20	< 0.001	< 0.05	< 0.003	0.05
10-Jun-99	0.003	43	0.07	< 0.0004	< 0.03	4.6	25	< 0.001	< 0.05	< 0.003	0.05
7-Oct-99	0.009	55	0.09	—	—	3.1	24	—	—	—	—
11-May-00	0.004	47	0.12	—	—	4.2	21	—	—	—	—
19-Oct-00	0.006	48	0.13	< 0.0004	0.05	4.3	22	< 0.001	< 0.05	0.013	0.02
6-Jun-01	0.003	42	0.14	< 0.0004	< 0.03	4.6	21	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	46	0.11	< 0.0004	—	3.3	21	—	—	—	—
31-May-02	0.002	42	0.1	< 0.0004	—	2.3	19	—	—	—	—
21-Nov-02	0.007	45	0.06	< 0.0004	< 0.03	2.7	19	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	42	0.09	< 0.0004	0.04	1.8	19	< 0.005	< 0.05	< 0.003	0.03
18-Dec-03	< 0.001	36	0.18	< 0.0004	—	2.9	33	—	—	—	—
27-May-04	0.002	26	0.07	< 0.0004	—	1.4	23	—	—	—	—
14-Dec-04	0.002	22	0.19	< 0.0004	—	3	25	—	—	—	—
11-May-05	0.003	40	0.44	< 0.0004	0.05	2.8	22	< 0.005	< 0.05	< 0.003	0.05
17-Nov-05	< 0.001	20	0.48	< 0.0004	—	2.9	23	—	—	—	—
29-Dec-06	< 0.003	23	0.17	< 0.0004	< 0.03	2.4	28	< 0.005	< 0.05	0.006	0.26
27-Jun-07	< 0.001	39	0.08	< 0.0004	—	2.8	27	—	—	—	—
31-Oct-08	0.006	62	0.2	< 0.0004	< 0.03	2.6	36	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	38	0.1	—	—	2.9	27	—	—	—	—
20-Oct-10	—	50	0.21	—	—	3.6	34	—	—	—	—
30-Jun-11	—	40	0.11	—	—	3.6	38	—	—	—	—
26-Oct-12	—	48	0.02	—	—	3.5	34	—	—	—	—
6-Jun-13	< 0.02	45	0.06	—	—	3.1	28	—	—	—	—
28-Oct-14	—	52	0.08	—	—	2.5	32	—	—	—	—
5-May-15	< 0.003	48	0.08	—	—	< 5.0	30	—	—	—	—
2-Nov-16	< 0.005	51	0.17	—	—	< 5.0	30	—	—	—	—
15-Jun-17	< 0.005	52	0.09	—	—	< 5.0	28	—	—	—	—
9-Oct-18	< 0.005	49	0.07	—	—	< 5.0	32	—	—	—	—
19-Jun-19	< 0.005	46	0.12	—	< 0.04	< 5.0	34	—	—	—	< 0.02
3-Dec-20	< 0.005	64	0.63	—	0.06	6.7	33	< 0.01	< 0.01	< 0.01	0.028
3-Jun-21	< 0.005	57	0.37	—	—	< 5.0	30	—	—	—	—
20-Dec-22	—	54	0.21	—	—	5.3	40	—	—	—	—
10-Jul-23	0.0056	60	0.46	—	—	3.8	36	—	—	—	—
19-Nov-24	0.04	177	3.04	—	—	64.2	43	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-9D										
29-Mar-96	45	-60	7.2	2900	—	2	160	1300	2600	10
20-Jun-96	55	115	7.3	2600	110	0	140	1300	2600	180
5-Sep-96	57	—	7.7	2200	—	4	180	1500	2600	160
12-Dec-96	48	-45	7.1	2000	—	1	140	1300	2500	180
28-Mar-97	45	15	7.1	2000	—	19	170	1200	2600	170
3-Jun-97	52	-30	7.3	2700	—	2	150	1300	2600	170
30-Sep-97	54	< -80	7.3	2800	19	1	150	1400	2600	180
9-Dec-97	46	165	7.4	3200	—	4	180	1100	2600	170
31-Mar-98	52	-55	7.3	2300	—	1	150	1300	2600	170
22-Oct-98	50	< -80	7.2	1800	< 5	1	150	460	2600	160
10-Jun-99	54	< -80	7.1	2900	16	31	150	1300	2500	180
7-Oct-99	48	< -80	7.3	2600	—	2	160	1500	2600	220
11-May-00	57	< -80	8.2	3400	—	3	160	1300	2500	280
19-Oct-00	53	< -80	7.5	2370	30	18	160	1600	2600	190
6-Jun-01	57	-61	7.4	2320	5	4	140	1200	2600	170
12-Nov-01	46	-29	7.5	1583	—	31	150	—	2800	210
31-May-02	57	-52	7.6	2330	—	2	140	1300	2500	170
21-Nov-02	51	-35	7	2060	26	28	160	1300	2400	180
20-May-03	50	-19	7.2	1445	21	15	160	1400	2600	210
18-Dec-03	47	-72	8.3	1844	—	9	170	1300	2600	170
27-May-04	52	-33	7.1	2840	—	1	160	1200	2470	158
14-Dec-04	49	-53	8.1	2470	—	2	280	1200	2310	181
11-May-05	55	-30	7.3	2820	100	1	160	1100	2360	242
17-Nov-05	48	-40	7.2	2970	—	1	160	1300	2450	133
29-Dec-06	44	-34	7.3	2740	15	47	150	1400	2450	191
27-Jun-07	52	-44	6.8	1108	—	1	120	1400	2310	188
31-Oct-08	51	-22	7.4	1977	20	3	130	1700	2430	200
1-Jun-09	50	194	7.1	1512	—	19	140	1600	2500	180
20-Oct-10	51	19	7.5	2026	—	23	130	1700	2100	164
30-Jun-11	52	-90	7.4	2928	—	4	150	1500	2500	148
26-Oct-12	57	29	6.7	2954	—	18	150	1900	2400	196
6-Jun-13	56	-15	7.4	3040	—	19.5	152	1288	2684	210
28-Oct-14	50	-20	7.4	3100	—	40	142	1600	2610	202
5-May-15	55	-18	7.4	2690	—	31	140	2800	2500	186
2-Nov-16	57	42	7.1	2550	5	21	147	1400	2340	244
15-Jun-17	63	34	7.5	2110	—	11	146	1650	2430	161
9-Oct-18	59	-31	7.1	2090	—	10	152	1440	2490	296
19-Jun-19	63	-65	7.1	2950	—	6	146	1450	2420	261
3-Dec-20	59	-123	8.4	1417	30	20	133	---	1770	98
23-Jun-21	57	-136	8.5	2370	—	13	154	1540	2340	801
20-Dec-22	45	-54	8	2170	500	10	140	1140	2150	145
10-Jul-23	56	-31	7.5	2400	—	12	149	1460	2380	177
19-Nov-24	52	-60	8.1	300	—	68	148	1320	2480	197

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-9D										
29-Mar-96	1100	-	< 0.2	4.5	-	-	< 20	3	< 0.005	-
20-Jun-96	1500	3.1	< 0.2	4.1	4.8	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	1400	-	< 0.2	4	-	-	< 20	< 1	< 0.005	-
12-Dec-96	1400	-	< 0.2	4.3	-	-	< 20	< 1	< 0.005	-
28-Mar-97	1400	-	< 0.2	3	-	-	< 20	< 1	< 0.005	-
3-Jun-97	1400	-	< 0.2	4.6	-	-	< 20	< 1	< 0.005	-
30-Sep-97	1100	2.6	< 0.2	4.6	4.1	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1400	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
31-Mar-98	1100	-	< 0.2	4.3	-	-	< 20	< 1	< 0.005	-
22-Oct-98	1200	3.6	< 0.2	4.5	4.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	1300	2.9	< 0.2	3.5	5.6	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1300	-	< 0.2	3.8	-	-	< 20	< 1	< 0.005	-
11-May-00	850	-	< 0.2	4.4	-	-	< 20	< 1	< 0.005	-
19-Oct-00	1300	3.7	< 0.2	4.9	4.2	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1700	3.1	< 0.2	4.3	4.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1800	-	< 0.2	4.1	-	-	< 20	< 1	< 0.005	-
31-May-02	1500	-	< 0.2	4.2	-	-	22	< 1	< 0.005	-
21-Nov-02	1500	3.2	< 0.2	4.5	4.4	< 4	< 20	< 1	< 0.005	< 0.01
20-May-03	960	3.4	< 0.2	3.6	3.9	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	240	-	< 0.2	3.9	-	-	< 20	3	< 0.005	-
27-May-04	865	-	< 0.2	3.8	-	-	< 20	< 3	< 0.005	-
14-Dec-04	2120	-	< 0.2	4.6	-	-	< 20	< 3	< 0.005	-
11-May-05	1210	2.7	< 0.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	1500	-	0.4	4.6	-	-	< 20	< 3	< 0.005	-
29-Dec-06	889	3.4	< 0.2	4.6	2.6	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	160	-	0.3	4.2	-	-	29	< 3	< 0.005	-
31-Oct-08	1290	3.8	0.4	3.8	3.9	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	931	-	< 0.2	4.4	-	-	< 20	< 3	< 0.005	-
20-Oct-10	1090	-	-	3.4	-	-	-	-	< 0.005	-
30-Jun-11	2320	-	-	4.0	-	-	-	-	-	-
26-Oct-12	822	3.5	-	4.9	-	-	-	-	-	-
6-Jun-13	1440	-	< 0.05	4.5	-	-	< 5.0	< 1.0	< 0.010	-
28-Oct-14	1370	3.7	-	4.2	4.1	-	-	-	0.0071	< 0.01
5-May-15	1520	-	< 0.1	4.5	-	-	< 10	-	< 0.005	-
2-Nov-16	1490	3.6	0.06	4.5	3.9	-	17	< 1.0	< 0.005	-
15-Jun-17	1200	-	0.05	4.2	-	-	44.2	< 1.0	< 0.005	-
9-Oct-18	1740	-	< 0.05	4.6	-	-	18	< 1.0	< 0.005	-
19-Jun-19	1910	3.5	< 0.05	4.8	-	-	< 10	< 1.0	< 0.010	-
3-Dec-20	689	1.4	3.2	0.7	0.7	-	31	3.1	< 0.005	< 0.01
23-Jun-21	< 5.0	-	< 0.025	5.0	-	-	16	< 1.0	0.0052	-
20-Dec-22	1140	3.4	0.08	3.7	5.3	-	56	1.2	-	-
10-Jul-23	1430	-	1.12	3.7	-	-	32	2.0	< 0.005	-
19-Nov-24	1340	-	1	4.2	-	-	8	3.8	< 0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-9D											
29-Mar-96	—	—	0.006	< 0.3	—	< 0.005	470	—	—	—	2.6
20-Jun-96	0.55	< 0.003	0.005	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	< 0.02	3
5-Sep-96	—	—	0.007	< 0.3	—	< 0.005	540	—	—	—	4
12-Dec-96	—	—	0.006	< 0.3	—	< 0.005	490	—	—	—	2.4
28-Mar-97	—	—	0.006	< 0.3	—	< 0.005	440	—	—	—	2.4
3-Jun-97	—	—	0.006	< 0.3	—	< 0.005	490	—	—	—	3
30-Sep-97	< 0.05	< 0.003	0.005	< 0.3	< 0.005	< 0.005	510	< 0.05	< 0.01	< 0.02	3.1
9-Dec-97	—	—	0.006	< 0.3	—	< 0.005	430	—	—	—	2.5
30-Mar-98	—	—	0.006	< 0.3	—	< 0.005	490	—	—	—	2.5
22-Oct-98	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	2.9
10-Jun-99	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	490	< 0.05	< 0.01	0.04	2.8
7-Oct-99	—	—	—	—	—	< 0.005	550	—	—	—	3.1
11-May-00	—	—	—	—	—	< 0.005	480	—	—	—	2.9
19-Oct-00	< 0.005	< 0.003	0.005	< 0.3	< 0.005	< 0.005	590	< 0.05	< 0.01	0.02	3
6-Jun-01	0.07	< 0.003	0.005	< 0.3	< 0.005	< 0.005	450	< 0.05	< 0.01	< 0.02	2.7
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	440	—	—	—	2.5
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	470	—	—	—	2.7
21-Nov-02	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.03	2.6
16-May-03	0.25	0.021	< 0.010	< 0.3	< 0.005	0.006	520	< 0.05	< 0.01	0.03	3.4
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	470	—	—	—	3.1
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	470	—	—	—	4.1
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	450	—	—	—	2.7
11-May-05	0.1	< 0.003	0.014	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.04	2.3
17-Nov-05	—	—	0.011	< 0.3	—	< 0.005	490	—	—	—	2.7
29-Dec-06	0.14	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	530	< 0.05	< 0.01	< 0.02	3.5
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	530	—	—	—	2.9
31-Oct-08	< 0.05	0.022	< 0.010	< 0.3	< 0.005	< 0.005	600	< 0.05	< 0.01	< 0.02	1.9
1-Jun-09	—	—	—	—	—	< 0.005	610	—	—	—	2.3
20-Oct-10	—	—	—	—	—	—	630	—	—	—	3.0
30-Jun-11	—	—	—	—	—	—	520	—	—	—	3.4
26-Oct-12	—	—	—	—	—	—	490	—	—	—	3.2
6-Jun-13	—	—	—	—	—	< 0.005	516	—	—	—	3.2
28-Oct-14	—	—	< 0.010	—	—	—	601	—	—	—	3.6
5-May-15	—	—	—	—	—	< 0.005	605	—	—	—	3.3
2-Nov-16	—	—	—	—	—	< 0.0025	586	—	—	—	0.7
15-Jun-17	—	—	—	—	—	< 0.0025	624	—	—	—	1.4
9-Oct-18	—	—	—	—	—	< 0.0025	556	—	—	—	1.2
19-Jun-19	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	545	< 0.01	—	< 0.025	1.6
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	233	< 0.01	—	< 0.025	0.4
23-Jun-21	—	—	—	—	—	< 0.0025	464	—	—	—	2.2
20-Dec-22	0.21	—	—	—	—	—	551	—	—	—	9.8
10-Jul-23	—	—	—	—	—	< 0.0033	540	—	—	—	5.7
19-Nov-24	—	—	—	—	—	< 0.0033	493	—	—	—	5.4

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-9D											
29-Mar-96	< 0.001	19	0.08	< 0.0004	—	71	93	—	—	—	—
20-Jun-96	0.005	20	0.08	< 0.0004	< 0.03	60	90	< 0.001	< 0.05	< 0.003	< 0.01
5-Sep-96	0.002	24	0.09	< 0.0004	—	22	88	—	—	—	—
12-Dec-96	< 0.001	19	0.06	< 0.0004	—	56	100	—	—	—	—
28-Mar-97	< 0.001	19	0.07	< 0.0004	—	49	84	—	—	—	—
3-Jun-97	< 0.001	21	0.08	< 0.0004	—	72	96	—	—	—	—
30-Sep-97	< 0.001	22	0.08	< 0.0004	< 0.03	79	120	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	17	0.07	< 0.0004	—	80	120	—	—	—	—
30-Mar-98	< 0.001	19	0.07	< 0.0004	—	71	110	—	—	—	—
22-Oct-98	< 0.001	21	0.09	< 0.0004	0.06	63	110	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	< 0.001	19	0.07	< 0.0004	< 0.03	66	110	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.002	22	0.08	—	—	53	95	—	—	—	—
11-May-00	< 0.001	22	0.07	—	—	57	100	—	—	—	—
19-Oct-00	0.001	21	0.08	< 0.0004	0.06	57	99	< 0.001	< 0.05	0.045	< 0.01
6-Jun-01	< 0.001	18	0.06	< 0.0004	< 0.03	72	120	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	18	0.07	< 0.0004	—	64	110	—	—	—	—
31-May-02	< 0.001	20	0.07	< 0.0004	—	61	110	—	—	—	—
21-Nov-02	< 0.001	19	0.07	< 0.0004	0.04	54	88	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	20	0.08	< 0.0004	0.08	59	98	< 0.005	< 0.05	0.007	0.03
18-Dec-03	< 0.001	20	0.07	< 0.0004	—	64	100	—	—	—	—
27-May-04	< 0.001	19	0.08	< 0.0004	—	57	84	—	—	—	—
14-Dec-04	< 0.001	18	0.07	< 0.0004	—	52	90	—	—	—	—
11-May-05	< 0.001	16	0.07	< 0.0004	< 0.03	53	86	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	19	0.07	< 0.0004	—	54	73	—	—	—	—
29-Dec-06	< 0.003	22	0.09	< 0.0004	< 0.03	69	120	< 0.005	< 0.05	0.015	0.09
27-Jun-07	< 0.001	21	0.08	< 0.0004	—	48	99	—	—	—	—
31-Oct-08	< 0.003	32	0.06	< 0.0004	< 0.03	69	140	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	22	0.08	—	—	58	130	—	—	—	—
20-Oct-10	< 0.003	25	0.08	—	—	66	140	—	—	—	—
30-Jun-11	—	23	0.09	—	—	54	130	—	—	—	—
26-Oct-12	—	24	0.09	—	—	36	170	—	—	—	—
6-Jun-13	< 0.02	22	0.08	—	—	65	104	—	—	—	—
28-Oct-14	—	24	0.09	—	—	76	125	—	—	—	—
5-May-15	< 0.003	25	0.08	—	—	83	118	—	—	—	—
2-Nov-16	< 0.005	23	0.09	—	—	74	123	—	—	—	—
15-Jun-17	< 0.005	24	0.1	—	—	75	119	—	—	—	—
9-Oct-18	< 0.005	22	0.09	—	—	72	130	—	—	—	—
19-Jun-19	< 0.005	22	0.1	—	< 0.04	70	124	< 0.01	—	—	< 0.02
3-Dec-20	< 0.005	20	0.02	—	< 0.04	30	71	< 0.01	< 0.01	< 0.01	0.022
23-Jun-21	< 0.005	19	0.08	—	—	62	98	—	—	—	—
20-Dec-22	—	22	0.14	—	—	61	106	—	—	—	—
10-Jul-23	< 0.00556	22	0.11	—	—	63	110	—	—	—	—
19-Nov-24	< 0.005	22	0.083	—	—	69	114	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	75	295	6.5	260	-	1.87	22	<3	50	<1
22-Oct-98	63	480	6.7	46	<5	2.37	12	3	80	<1
10-Jun-99	73	350	5.4	53	6	0.32	13	3	<10	2
11-May-00	64	350	8.2	50	-	0.24	17	<3	33	1
19-Oct-00	60	5	8.4	268	<5	1.7	53	<3	110	19
6-Jun-01	69	-116	8.3	102	<5	<0.05	16	3	30	3
12-Nov-01	62	-72	8.3	210	-	0.82	22	-	60	1
31-May-02	77	32	6.3	38	-	0.12	<10	3	130	1
21-Nov-02	64	37	6	104	7	0.65	13	<3	<25	2
16-May-03	60	-48	7.7	492	<5	0.65	<10	<3	40	5
19-Dec-03	62	-75	8.3	384	-	<0.05	19	3	130	1
27-May-04	70	-100	8.2	221	-	<0.05	17	<3	<25	2
14-Dec-04	62	-65	7.8	604	-	<0.05	120	<3	120	15
11-May-05	76	-85	8.3	411	-	<0.05	<10	<3	<25	2
17-Nov-05	56	-65	8.2	163	-	0.05	110	5	137	<1
30-Jun-06	73	-60	8.3	884	-	0.15	13	4	42	3
3-Jan-07	49	-55	8.2	752	7	0.25	<10	5	<25	2
28-Jun-07	64	-53	7	574	-	4.4	170	110	1820	68
31-Dec-07	63	-58	8.3	731	-	0.05	<10	<3	42	2
29-May-08	61	-90	8	713	-	0.07	170	110	1740	59
28-Aug-08	-	-	-	-	-	0.05	180	87	1790	66
26-Nov-08	67	-85	8.5	559	<5	0.19	<10	<3	<25	4
29-May-09	71	146	8.1	264	-	0.1	12	<3	<25	<1
31-Dec-09	60	97	7.4	281	-	0.76	180	22	1800	58
19-Feb-10	64	178	7.5	293	-	3.71	15	2	30	3
28-Jun-10	66	194	7.9	588	-	0.13	11	-	95	2
18-Nov-10	63	141	7.9	671	-	2.4	140	-	-	16
30-Jun-11	72	19	8	2784	-	0.91	190	41	1900	67
2-Dec-11	49	-36	8	401	-	3.1	200	52	1700	68
27-Apr-12	62	108	7.4	5700	-	0.15	210	75	1700	71
15-Oct-12	64	89	7.6	3250	-	<0.1	200	67	2000	63
4-Jun-13	64	119	6.9	133	-	<1	14	1.1	156	5.5
3-Oct-13	68	3	7.1	2830	-	<1	188	12	1860	55
13-May-14	64	72	7.0	2210	-	-	174	22	1800	61.4
2-Oct-14	52	93	8.0	2830	-	-	169	40.3	1950	59.2
6-May-15	63	92	7.5	2600	-	<1	170	52	1900	56.7
4-Nov-15	66	122	7.5	2120	-	<1	169	40	1790	59.5
25-May-15	62	88	7.6	2740	-	<1	16	<5	121	5
10-Oct-16	60	90	7.7	2720	<5	<1	176	38	915	65
29-Jun-17	62	29	6.5	221	-	<1	14	15	102	4
9-Nov-17	55	-140	6.4	147	-	1	9	<5	39	4
26-Apr-18	60	42	6.5	225	-	<1	33	<5	78	3.7
17-Oct-18	63	-34	6.5	284	-	<1	21	12	148	6.6
11-Jun-19	67	-65	7.0	87	-	<1	10	<5	60	3.2
10-Dec-19	61	-32	6.7	102	-	<1	11	<5	92	3.3
22-Jun-20	67	-42	6.6	72	-	<1	13	<5	65	4.6
3-Dec-20	61	-111	8.4	202	<5	<1	12	<5	100	3.5
23-Jun-21	66	-88	7.6	145	-	<1	13	<5	112	4.6
18-Nov-21	60	44	6.7	125	-	<1	11	12	67	4
1-Jun-22	59	42	7.0	121	-	1.2	63	<5	128	27
20-Dec-22	49	-69	8.2	2460	-	<1	200	34	1850	57
10-Jul-23	47	-66	8.0	2520	-	18	111	3	188	34
20-Nov-23	47	-61	7.7	2362	-	5	27	2	322	47
18-Jul-24	70	-38	7.8	3000	-	<1	67	6.6	175	20
18-Nov-24	52	-80	8.6	370	-	7	66	6.6	200	27

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	-	-	-	-	0.001	0.1
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	10	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
22-Oct-98	<5	1.2	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
10-Jun-99	9	1.2	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
11-May-00	9	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
19-Oct-00	16	3.1	0.8	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
6-Jun-01	7	1.2	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
12-Nov-01	11	-	<0.2	<0.5	-	-	<20	3	<0.005	-
31-May-02	6	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
21-Nov-02	18	1.7	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
16-May-03	7	1.4	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
19-Dec-03	50	-	<0.2	3.1	-	-	<20	<3	<0.005	-
27-May-04	<5	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
14-Dec-04	57	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
11-May-05	<5	-	<0.2	<0.5	-	<4	<20	<3	0.007	-
17-Nov-05	8	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
30-Jun-06	<5	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
3-Jan-07	<5	1.4	<0.2	<0.5	<0.5	5	<20	<3	<0.005	<0.01
28-Jun-07	157	-	0.5	<0.5	-	-	<20	<3	<0.005	-
31-Dec-07	<5	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
29-May-08	1100	-	<0.2	0.9	-	-	<20	<3	<0.005	-
28-Aug-08	1330	-	0.5	<0.5	-	-	<20	<3	<0.005	-
26-Nov-08	9	1.4	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
29-May-09	<5	-	1.3	<0.5	-	-	<20	<3	<0.005	-
31-Dec-09	1260	-	0.2	0.7	-	-	<20	<3	<0.005	-
19-Feb-10	<5	-	0.3	<0.5	-	-	<20	<3	<0.005	-
28-Jun-10	12	-	<0.2	<0.5	<0.5	-	<20	<3	<0.005	-
18-Nov-10	-	-	-	<0.5	-	-	-	-	-	-
30-Jun-11	558	-	0.8	-	-	-	-	-	-	-
2-Dec-11	1340	-	-	0.54	-	-	-	-	-	-
27-Apr-12	1040	-	-	0.75	-	-	-	-	-	-
15-Oct-12	1550	2.7	-	0.95	-	-	-	-	-	-
4-Jun-13	69	-	<0.05	<0.1	-	-	<5.0	-	<0.01	-
3-Oct-13	995	-	0.08	0.66	-	-	<5.0	<1	<0.01	-
13-May-14	1060	-	0.2	0.4	-	-	-	-	-	-
2-Oct-14	1060	2.44	0.644	0.407	-	-	-	-	-	-
6-May-15	1220	-	<0.1	1.1	-	-	<10	-	<0.005	-
4-Nov-15	1150	-	<0.1	0.96	-	-	<10	<0.5	<0.005	-
25-May-15	63	-	<0.1	0.27	-	-	<10	<1	0.0085	-
10-Oct-16	1260	-	<0.1	1.1	-	<0.2	<10	1.3	<0.005	-
29-Jun-17	38	-	0.18	<0.1	-	-	<10	<1	<0.005	-
9-Nov-17	39	-	0.2	<0.1	-	-	<10	<1	<0.005	-
26-Apr-18	39	-	0.3	<0.1	-	-	<10	<1	<0.005	-
17-Oct-18	115	-	<0.05	<0.1	-	-	<10	<1	<0.005	-
11-Jun-19	27	-	<0.05	0.15	-	-	<10	<1	<0.005	-
10-Dec-19	25	-	<0.05	<0.1	-	-	<10	11	<0.005	-
22-Jun-20	31	-	<0.05	0.2	-	-	<10	<1	<0.005	-
3-Dec-20	26	2	0.18	0.18	0.14	<2.0	12	<1	0.0054	<0.01
22-Jun-21	32	-	<0.25	<0.1	-	-	<10	<1	<0.005	-
18-Nov-21	30	-	0.12	<0.1	-	-	16	<1	<0.005	-
1-Jun-22	23	-	0.31	0.12	-	-	<10	<1	<0.005	-
20-Dec-22	1190	3.6	0.64	1.05	1.7	-	44	<1	<0.005	-
10-Jul-23	27	-	0.44	0.25	-	-	13	<1	<0.005	-
20-Nov-23	59	-	1	0.06	-	-	5	1	<0.005	-
18-Jul-24	28	-	1	0.07	-	-	5	1	0.005	-
18-Nov-24	48	-	1	0.08	-	-	5	1	0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.005	—	0.05	0.05	0.2	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	—	—	<0.001	<0.3	—	<0.005	<0.5	—	—	—	<0.03
22-Oct-98	0.1	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	0.05	0.08
10-Jun-99	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	0.5	<0.05	<0.01	0.06	0.07
11-May-00	—	—	—	—	—	<0.005	<0.5	—	—	—	0.05
19-Oct-00	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	<0.02	<0.03
6-Jun-01	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	0.06	<0.03
12-Nov-01	—	—	<0.010	<0.3	—	<0.005	0.6	—	—	—	0.03
31-May-02	—	—	<0.010	<0.3	—	<0.005	<0.5	—	—	—	0.08
21-Nov-02	0.07	<0.003	<0.010	<0.3	<0.005	<0.005	0.6	<0.05	<0.01	0.02	0.05
16-May-03	0.12	<0.003	<0.010	<0.3	<0.005	0.006	0.7	<0.05	<0.01	0.02	0.05
19-Dec-03	—	—	<0.010	<0.3	—	<0.005	1.3	—	—	—	0.05
27-May-04	—	—	<0.010	<0.3	—	<0.005	0.5	—	—	—	0.06
14-Dec-04	—	—	<0.010	<0.3	—	<0.005	0.7	—	—	—	0.12
11-May-05	—	—	<0.010	<0.3	—	<0.005	0.9	—	—	—	0.08
17-Nov-05	—	—	<0.010	<0.3	—	<0.005	1.5	—	—	—	0.15
30-Jun-06	—	—	<0.500	<0.3	—	<0.005	1.2	—	—	—	0.05
3-Jan-07	0.05	0.005	<0.010	<0.3	<0.005	<0.005	1.6	<0.05	<0.01	0.02	0.12
28-Jun-07	—	—	<0.500	<0.3	—	<0.005	40	—	—	—	0.05
31-Dec-07	—	—	<0.500	<0.3	—	<0.005	0.7	—	—	—	0.03
29-May-08	—	—	<0.010	<0.3	—	<0.005	43	—	—	—	<0.03
28-Aug-08	—	—	<0.010	<0.3	—	<0.005	33	—	—	—	<0.03
26-Nov-08	<0.05	<0.003	<0.010	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	<0.02	<0.03
29-May-09	—	—	—	—	—	<0.005	<0.5	—	—	—	0.04
31-Dec-09	—	—	—	—	—	0.009	8.1	—	—	—	0.2
19-Feb-10	—	—	—	—	—	<0.005	0.8	—	—	—	0.56
28-Jun-10	—	—	—	—	—	<0.005	<0.5	—	—	—	<0.03
18-Nov-10	—	—	—	—	—	<0.005	—	—	—	—	—
30-Jun-11	—	—	—	—	—	<0.005	16	—	—	—	—
2-Dec-11	—	—	—	—	—	—	20	—	—	—	0.08
27-Apr-12	—	—	—	—	—	—	28	—	—	—	0.06
15-Oct-12	0.18	—	—	—	—	—	25	—	—	—	1
4-Jun-13	—	—	—	—	—	<0.005	<0.5	—	—	—	0.02
3-Oct-13	—	—	—	—	—	<0.02	12	—	—	—	<0.05
13-May-14	—	—	—	—	—	—	8.7	—	—	—	—
2-Oct-14	—	—	—	—	—	—	14.5	—	—	—	—
6-May-15	—	—	—	—	—	<0.005	16	—	—	—	<0.1
4-Nov-15	—	—	—	—	—	<0.005	16.7	—	—	—	<0.1
25-May-15	—	—	—	—	—	<0.005	5	—	—	—	<0.1
10-Oct-16	—	—	—	—	—	<0.0025	147	—	—	—	0.15
29-Jun-17	—	—	—	—	—	<0.0025	0.2	—	—	—	<0.1
9-Nov-17	—	—	—	—	—	<0.0025	368	—	—	—	<0.02
26-Apr-18	—	—	—	—	—	<0.0025	413	—	—	—	<0.02
17-Oct-18	—	—	—	—	—	<0.0025	3.7	—	—	—	<0.02
11-Jun-19	—	—	—	—	—	<0.0025	<0.2	—	—	—	0.022
10-Dec-19	—	—	—	—	—	<0.0025	<0.2	—	—	—	0.06
22-Jun-20	—	—	—	—	—	<0.0025	0.7	—	—	—	<0.02
3-Dec-20	<0.2	<0.06	<0.01	<0.2	<0.005	<0.0025	0.2	<0.01	—	<0.025	<0.02
23-Jun-21	—	—	—	—	—	<0.0025	0.25	—	—	—	<0.02
18-Nov-21	—	—	—	—	—	<0.0025	0.25	—	—	—	<0.1
1-Jun-22	—	—	—	—	—	<0.0025	0.5	—	—	—	<0.1
20-Dec-22	0.11	—	—	—	—	—	12.5	—	—	—	—
10-Jul-23	—	—	—	—	—	<0.0033	1.1	—	—	—	0.28
20-Nov-23	—	—	—	—	—	0.005	1	—	—	—	0.1
18-Jul-24	—	—	—	—	—	0.005	1	—	—	—	0.1
18-Nov-24	—	—	—	—	—	0.005	2	—	—	—	1.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	8.1	—	—	—	—
22-Oct-98	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	4.4	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	8.3	< 0.001	< 0.05	< 0.003	0.05
11-May-00	0.003	< 0.5	< 0.02	—	—	0.8	7	—	—	—	—
19-Oct-00	0.002	< 0.5	< 0.02	< 0.0004	0.04	2.5	37	< 0.001	< 0.05	< 0.003	0.05
6-Jun-01	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	1	5.3	< 0.001	< 0.05	< 0.003	0.13
12-Nov-01	0.007	< 0.5	< 0.02	—	—	0.7	9.8	—	—	—	—
31-May-02	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.5	7.6	—	—	—	—
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	6.7	< 0.005	< 0.05	< 0.003	0.04
16-May-03	0.004	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	8.6	< 0.005	< 0.05	< 0.003	0.05
19-Dec-03	< 0.001	< 0.5	< 0.02	< 0.0004	—	0.8	8.5	—	—	—	—
27-May-04	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.3	—	—	—	—
14-Dec-04	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.5	9.2	—	—	—	—
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	< 0.5	4.7	—	—	—	—
17-Nov-05	< 0.001	< 0.5	0.02	< 0.0004	—	0.9	5.7	—	—	—	—
30-Jun-06	< 0.003	< 0.5	0.02	< 0.0004	—	0.5	6.3	—	—	—	—
3-Jan-07	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	3	< 0.005	< 0.05	< 0.003	0.09
28-Jun-07	< 0.003	1.7	< 0.02	< 0.0004	—	39	590	—	—	—	—
31-Dec-07	< 0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	3.1	—	—	—	—
29-May-08	< 0.003	< 0.5	< 0.02	< 0.0002	—	< 0.5	640	—	—	—	—
28-Aug-08	< 0.003	1.2	< 0.02	< 0.0004	—	34	580	—	—	—	—
26-Nov-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	5.2	< 0.005	< 0.05	< 0.003	< 0.01
29-May-09	0.015	< 0.5	< 0.02	—	—	< 0.5	6.4	—	—	—	—
31-Dec-09	< 0.001	< 0.5	< 0.02	—	—	31	640	—	—	—	—
19-Feb-10	< 0.001	< 0.5	0.03	—	—	< 0.5	7.5	—	—	—	—
28-Jun-10	< 0.001	< 0.5	< 0.02	—	—	0.6	25	—	—	—	—
18-Nov-10	—	—	—	—	—	—	4.3	—	—	—	—
30-Jun-11	—	0.63	—	—	—	34	580	—	—	—	—
2-Dec-11	—	0.69	—	—	—	35	590	—	—	—	—
27-Apr-12	—	0.98	—	—	—	28	560	—	—	—	—
15-Oct-12	—	1.3	0.14	—	—	19	520	—	—	—	0.01
4-Jun-13	< 0.02	< 0.1	< 0.01	—	—	0.74	27	—	—	—	—
3-Oct-13	< 0.02	< 1.0	< 0.01	—	—	20	635	—	—	—	—
13-May-14	—	—	—	—	—	15.4	574	—	—	—	—
2-Oct-14	—	—	—	—	—	20.8	373	—	—	—	—
6-May-15	—	< 0.5	< 0.015	—	—	20.9	636	—	—	—	—
4-Nov-15	0.003	< 0.5	< 0.015	—	—	22.4	668	—	—	—	—
25-May-15	< 0.003	< 0.5	< 0.015	—	—	< 5	41	—	—	—	—
10-Oct-16	< 0.005	0.55	< 0.01	< 0.0002	—	20	729	—	—	—	—
29-Jun-17	< 0.005	< 0.2	< 0.01	—	—	< 5	25	—	—	—	—
9-Nov-17	< 0.005	< 0.2	< 0.01	—	—	< 5	269	—	—	—	—
26-Apr-18	< 0.005	< 0.2	< 0.01	—	—	< 5	268	—	—	—	—
17-Oct-18	< 0.005	< 0.2	< 0.01	—	—	< 5	56	—	—	—	—
11-Jun-19	< 0.005	< 0.2	< 0.01	—	—	< 5	18	—	—	—	—
10-Dec-19	< 0.005	< 0.2	< 0.01	—	—	< 5	20	—	—	—	—
22-Jun-20	< 0.005	< 0.2	< 0.01	—	—	< 5	21	—	—	—	—
3-Dec-20	< 0.005	< 0.2	< 0.01	—	< 0.04	< 5	20	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	< 0.2	< 0.01	—	—	< 5	21	—	—	—	—
18-Nov-21	< 0.005	< 0.2	< 0.01	—	—	< 5	23	—	—	—	—
1-Jun-22	< 0.005	< 0.2	< 0.01	—	—	< 5	52	—	—	—	—
20-Dec-22	< 0.005	0.46	< 0.01	—	—	17	638	—	—	—	0.05
10-Jul-23	< 0.006	< 0.056	< 0.006	—	—	2	68	—	—	—	—
20-Nov-23	0.005	1	0.01	—	—	2	183	—	—	—	—
18-Jul-24	0.005	1	0.01	—	—	2	64	—	—	—	—
18-Nov-24	0.005	1	0.01	—	—	2.5	73	—	—	—	—

VAN BUREN LANDFILL (CLOSED)

ONONDAGA COUNTY

WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
RW-B (Nolan) KITCHEN TAP										
31-Mar-98	73	35	8.2	40	—	1.17	13	<3	20	<1
22-Oct-98	68	170	6.8	46	<5	0.17	10	3	53	1
10-Jun-99	79	180	6.2	180	<5	0.45	8	<3	28	3
11-May-00	72	260	7.8	100	—	0.29	16	4	63	4
19-Oct-00	58	130	8.5	111	<5	0.59	17	<3	63	4
6-Jun-01	69	-122	8.5	105	<5	<0.05	14	3	45	3
12-Nov-01	56	-115	9.2	389	—	0.95	12	—	40	2
31-May-02	76	-28	7.2	499	—	1.26	<10	3	1700	2
21-Nov-02	69	-60	7.7	77	7	4.9	<10	<3	<25	2
16-May-03	60	-43	7.6	546	6	0.2	28	<3	45	4
19-Dec-03	57	-70	8.2	523	—	<0.05	19	<3	18	3
27-May-04	71	-87	8	106	—	<0.05	14	<3	52	3
14-Dec-04	63	-45	7.6	641	—	<0.05	87	<3	32	13
11-May-05	77	-45	7.6	683	—	<0.05	25	3	<25	5
17-Nov-05	63	-50	7.6	102	—	<0.05	11	9	127	5
30-Jun-06	76	-75	8.1	517	—	0.07	14	10	50	6
3-Jan-07	48	-50	8.2	345	7	0.71	16	17	242	6
28-Jun-07	63	-95	7.4	9	—	12.1	130	50	2000	107
31-Dec-07	64	-64	8	557	—	0.08	<10	13	125	4
29-May-08	63	-151	8.3	671	—	0.56	12	6	72	3
28-Aug-08	71	-100	8.7	1632	<5	0.26	12	10	<25	2
26-Nov-08	72	146	8.1	515	—	0.12	12	<3	28	3
29-May-09	60	13.5	7.8	718	—	2.32	160	74	1800	99
31-Dec-09	65	163	7.8	461	—	2.71	15	3	65	5
19-Feb-10	64	178	7.5	293	—	3.71	15	2	30	3
25-Jun-10	66	184	7.7	617	—	0.28	12	—	45	4
18-Nov-10	65	152	7.7	702	—	1.89	150	—	100	13
30-Jun-11	82	-33	7.9	3119	—	3.21	170	51	1900	100
2-Dec-11	49	-42	8.06	329	—	2.13	180	97	2000	103
27-Apr-12	58	150	7.65	2990	—	0.07	150	87	2100	103
15-Oct-12	61	62	7.4	3570	—	<0.1	160	66	2300	74
21-Jun-13	64	165	7.3	3140	—	<1	152	65	2087	95
3-Oct-13	68	67	7.2	3130	—	<1	162	23	2110	85
30-May-14	64	74	7.1	2955	—	—	141	61	2120	91
2-Oct-14	58	99	7.9	3010	—	0.45	159	96.4	2170	94
6-May-15	61	113	7.6	2940	—	<1.0	147	120	2110	121
4-Nov-15	65	139	7.8	2450	—	<1.0	142	60	1910	85
25-May-16	61	92	7.5	2890	—	<1.0	5.5	<5	31	3
10-Oct-16	64	118	7.4	65	<5.0	<1.0	7.3	8	123	3.9
27-Jun-17	72	65	6.1	128	—	<1.0	6.6	15	28	3.9
9-Nov-17	54	-111	5.9	72	—	<1.0	5.6	<5	39	2.5
26-Apr-18	70	64	6.1	46	—	<1.0	4.2	<5	30	2
17-Oct-18	77	-32	6.0	47	—	<1.0	6.5	<5	29	3.1
11-Jun-19	78	71	6.7	121	—	3.2	5.3	<5	33	2.6
10-Dec-19	77	-3	6.2	78	—	<1.0	7.1	<5	84	5.6
22-Jun-20	69	55	4.5	109	—	<1.0	8.5	<5	20	3.3
3-Dec-20	66	-77	7.5	72	—	1.1	6.8	<5	52	2.5
22-Jun-21	77	-72	7.4	65	—	<1.0	6.4	<5	82	4.0
18-Nov-21	67	44	6.3	162	—	<1.0	13.3	6	67	8.1
1-Jun-22	60	-34	6.9	156	—	<1.0	6	<5	29	4.3
20-Dec-22	50	-30	7.6	2600	—	<1.0	140	22	2260	92
10-Jul-23	70	-51	7.9	2580	—	0	9	1.1	45	6.0
20-Nov-23	63	-48	7.8	121	—	0	7.5	2	41	5.2
26-Jun-24	75	22	6.9	600	—	0	12	7	76	8
18-Nov-24	52	-67	8.3	190	—	<1.0	11	7	60	5

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	-	-	-	-	0.005	0.1
RW-B (Nolan) KITCHEN TAP										
31-Mar-98	6	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
22-Oct-98	9	1.4	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
10-Jun-99	22	1.7	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
11-May-00	32	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
19-Oct-00	41	2	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
6-Jun-01	32	1.5	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
12-Nov-01	6	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
31-May-02	6	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
21-Nov-02	6	2.1	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
16-May-03	9	2.2	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
19-Dec-03	18	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
27-May-04	17	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
14-Dec-04	12	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
11-May-05	49	-	<0.2	<0.5	-	-	<20	<3	0.006	-
17-Nov-05	15	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
30-Jun-06	14	-	<0.2	<0.5	-	-	<20	<3	0.006	-
3-Jan-07	61	1.7	0.3	<0.5	<0.5	6	<20	<3	<0.005	<0.01
28-Jun-07	131	-	1.7	<0.5	-	-	<20	<3	<0.005	-
31-Dec-07	55	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
29-May-08	29	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
28-Aug-08	22	1.4	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
26-Nov-08	22	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
29-May-09	1340	-	<0.2	0.8	-	-	<20	<3	<0.005	-
31-Dec-09	31	-	0.1	<0.5	-	-	<20	<3	<0.005	-
19-Feb-10	<5	-	0.3	<0.5	-	-	<20	<3	<0.005	-
25-Jun-10	32.1	-	<0.2	<0.5	<0.5	-	<20	<3	<0.005	-
18-Nov-10	71.2	-	-	-	-	-	-	-	<0.005	-
30-Jun-11	848	-	<0.2	0.81	-	-	-	-	-	-
2-Dec-11	1160	-	-	0.76	-	-	-	-	-	-
27-Apr-12	1220	-	<0.2	-	-	-	-	-	-	-
15-Oct-12	1640	3.1	-	-	-	-	-	-	-	-
21-Jun-13	1218	-	<0.5	0.82	-	-	<0.5	<1	<0.01	-
3-Oct-13	1180	-	0.83	0.42	-	-	<0.5	<1	<0.01	-
30-May-14	1190	-	0.2	0.57	-	-	-	1.2	-	-
2-Oct-14	1180	2.99	0.22	0.26	-	-	<10	-	<0.005	<0.01
6-May-15	1340	-	0.55	1.6	-	-	<10	-	<0.005	-
4-Nov-15	1300	-	0.6	0.49	-	-	<10	<0.5	<0.005	-
25-May-16	14	-	<0.1	<0.1	-	-	<10	<1	<0.005	-
10-Oct-16	23	-	0.16	<0.1	-	-	<10	1.6	0.0073	<0.01
27-Jun-17	13	-	0.4	<0.1	-	-	<10	<10	<0.005	-
9-Nov-17	16	-	0.3	<0.1	-	-	<10	<1	<0.005	-
26-Apr-18	10	-	0.25	<0.1	-	-	<10	<1	<0.005	-
17-Oct-18	12	-	<0.05	<0.1	-	-	12	<1	<0.005	-
11-Jun-19	7	-	<0.05	0.11	-	-	<10	<1	<0.005	-
10-Dec-19	50	-	<0.05	<0.1	-	-	<10	<1	<0.005	-
22-Jun-20	12	-	0.17	<0.1	-	-	<10	<1	<0.005	-
3-Dec-20	12	-	0.31	0.13	<0.1	<0.2	<10	<1	0.0057	<10
22-Jun-21	11	-	0.38	<0.1	-	-	<10	<1	<0.005	-
18-Nov-21	64	-	0.3	<0.1	-	-	16	<1	<0.005	-
1-Jun-22	13	-	0.23	<0.1	-	-	<10	<1	5.2	-
20-Dec-22	1250	-	0.28	<0.1	-	-	65	<1	-	-
10-Jul-23	14	-	0.67	0.2	-	-	14	<1	<0.005	-
20-Nov-23	9	-	1	0.05	-	-	5	1	<0.005	-
26-Jun-24	24	-	1	0.072	-	-	5	1	<0.005	-
18-Nov-24	15	-	1	0.05	-	-	5	1	<0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	—	—	< 0.001	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.03
22-Oct-98	0.1	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.3
10-Jun-99	0.1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.14	0.35
11-May-00	—	—	—	—	—	< 0.005	0.7	—	—	—	0.08
19-Oct-00	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.05
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	< 0.03
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	< 0.5	—	—	—	0.05
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	< 0.5	—	—	—	< 0.05
21-Nov-02	0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.03	0.05
16-May-03	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.6	< 0.5	< 0.01	< 0.02	0.08
19-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	0.5	—	—	—	0.23
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	< 0.5	—	—	—	0.08
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	< 0.5	—	—	—	0.07
11-May-05	—	—	< 0.010	< 0.3	—	< 0.005	1	—	—	—	0.11
17-Nov-05	—	—	< 0.010	< 0.3	—	< 0.005	3	—	—	—	0.19
30-Jun-06	—	—	< 0.500	< 0.3	—	< 0.005	2.6	—	—	—	0.07
3-Jan-07	0.05	0.007	< 0.010	< 0.3	< 0.005	< 0.005	5.8	< 0.5	< 0.01	0.13	0.06
28-Jun-07	—	—	< 0.500	< 0.3	—	< 0.005	18	—	—	—	0.17
31-Dec-07	—	—	< 0.500	< 0.3	—	< 0.005	4.5	—	—	—	0.1
29-May-08	—	—	< 0.010	< 0.3	—	< 0.005	2.1	—	—	—	< 0.03
28-Aug-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	3.6	< 0.5	< 0.01	< 0.02	0.55
26-Nov-08	—	—	—	—	—	< 0.005	< 0.5	—	—	—	< 0.03
29-May-09	—	—	—	—	—	< 0.005	27	—	—	—	0.07
31-Dec-09	—	—	—	—	—	< 0.005	1.1	—	—	—	0.17
19-Feb-10	—	—	—	—	—	< 0.005	0.8	—	—	—	0.56
25-Jun-10	—	—	—	—	—	< 0.005	0.7	—	—	—	0.058
18-Nov-10	—	—	—	—	—	< 0.005	0.5	—	—	—	0.04
30-Jun-11	—	—	—	—	—	—	19	—	—	—	—
2-Dec-11	—	—	—	—	—	—	36	—	—	—	—
27-Apr-12	—	—	—	—	—	—	33	—	—	—	—
15-Oct-12	—	—	—	—	—	—	25	—	—	—	0.07
21-Jun-13	—	—	—	—	—	< 0.02	26	—	—	—	< 0.05
3-Oct-13	—	—	—	—	—	< 0.02	23	—	—	—	< 0.05
30-May-14	—	—	—	—	—	—	25	—	—	—	—
2-Oct-14	—	—	—	—	—	—	37	—	—	—	—
6-May-15	—	—	—	—	—	< 0.005	33	—	—	—	< 0.1
4-Nov-15	—	—	—	—	—	< 0.005	28	—	—	—	< 0.1
25-May-16	—	—	—	—	—	< 0.005	< 5	—	—	—	< 0.1
10-Oct-16	—	—	—	—	—	< 0.0025	1.6	—	—	—	< 0.1
27-Jun-17	—	—	—	—	—	< 0.0025	0.2	—	—	—	< 0.1
9-Nov-17	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.02
26-Apr-18	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	0.027
17-Oct-18	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.02
11-Jun-19	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.02
10-Dec-19	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.02
22-Jun-20	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.02
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	< 0.2	< 0.01	—	< 0.025	< 0.02
22-Jun-21	—	—	—	—	—	< 0.0025	2.1	—	—	—	< 0.02
18-Nov-21	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.1
1-Jun-22	—	—	—	—	—	< 0.0025	< 0.2	—	—	—	< 0.1
20-Dec-22	0.11	—	—	—	—	—	7.7	—	—	—	—
10-Jul-23	—	—	—	—	—	< 0.0033	0.4	—	—	—	0.28
20-Nov-23	—	—	—	—	—	0.005	1	—	—	—	10.1
26-Jun-24	—	—	—	—	—	0.005	1	—	—	—	0.4
18-Nov-24	—	—	—	—	—	0.005	1	—	—	—	0.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
GNYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	0.01	< 0.5	< 0.02	< 0.0004	—	< 0.05	6	—	—	—	—
22-Oct-98	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	5.9	0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.007	< 0.5	< 0.02	< 0.0004	< 0.03	0.6	16	< 0.001	< 0.05	< 0.003	0.21
11-May-00	0.007	< 0.5	< 0.02	—	—	1.3	22	—	—	—	—
19-Oct-00	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	1.2	23	< 0.001	< 0.05	< 0.003	0.01
6-Jun-01	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	3	22	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.2	—	—	—	—
31-May-02	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	7.7	—	—	—	—
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.7	6.1	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	10	< 0.005	< 0.05	< 0.003	0.04
19-Dec-03	0.001	< 0.5	< 0.02	< 0.0004	—	0.6	12	—	—	—	—
27-May-04	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	10	—	—	—	—
14-Dec-04	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	11	—	—	—	—
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	1.8	8	—	—	—	—
17-Nov-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	2.4	5.6	—	—	—	—
30-Jun-06	0.005	0.9	< 0.02	< 0.0004	—	1.2	13	—	—	—	—
3-Jan-07	0.005	0.5	< 0.02	< 0.0004	< 0.03	1.1	9.6	< 0.005	< 0.05	< 0.003	0.29
28-Jun-07	< 0.003	0.9	< 0.02	< 0.0004	—	46	650	—	—	—	—
31-Dec-07	0.006	< 0.5	< 0.02	< 0.0004	—	1.5	5.6	—	—	—	—
29-May-08	0.004	< 0.5	< 0.02	< 0.0002	—	< 0.5	11	—	—	—	—
28-Aug-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	4.3	87	< 0.005	< 0.05	< 0.003	0.09
26-Nov-08	0.016	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	14	—	—	—	—
29-May-09	< 0.001	1.4	< 0.02	—	—	41	730	—	—	—	—
31-Dec-09	0.002	< 0.5	< 0.02	—	—	0.6	18	—	—	—	—
19-Feb-10	< 0.001	< 0.5	0.03	—	—	< 0.5	7.5	—	—	—	—
25-Jun-10	< 0.001	< 0.5	< 0.02	—	—	< 0.05	18	—	—	—	—
18-Nov-10	—	—	—	—	—	0.06	19	—	—	—	—
30-Jun-11	—	0.98	—	—	—	25	690	—	—	—	—
2-Dec-11	—	1.3	0.023	—	—	35	730	—	—	—	—
27-Apr-12	—	1	—	—	—	32	650	—	—	—	—
21-Jun-12	—	1.1	—	—	—	20	780	—	—	—	—
16-Oct-13	< 0.001	1.1	0.11	—	—	29	616	—	—	—	—
3-Oct-13	< 0.02	< 1.0	0.12	—	—	23	663	—	—	—	—
30-May-14	—	—	0.04	—	—	20	624	—	—	—	—
2-Oct-14	—	1.2	0.08	—	—	15	536	—	—	—	0.05
6-May-15	—	< 0.5	0.13	—	—	28	701	—	—	—	—
4-Nov-15	< 0.003	< 0.5	0.09	—	—	26	754	—	—	—	—
25-May-16	< 0.003	< 0.5	< 0.15	—	—	< 5	61	—	—	—	—
10-Oct-16	< 0.005	< 0.2	< 0.01	—	—	< 5	46.5	—	—	—	—
27-Jun-17	< 0.005	< 0.2	< 0.01	—	—	< 5	12.4	—	—	—	—
9-Nov-17	0.0051	< 0.2	< 0.01	—	—	< 5	141	—	—	—	—
26-Apr-18	< 0.005	< 0.2	< 0.01	—	—	< 5	9.5	—	—	—	—
17-Oct-18	< 0.005	< 0.2	< 0.01	—	—	< 5	8.9	—	—	—	—
11-Jun-19	< 0.005	< 0.2	< 0.01	—	—	< 5	7.4	—	—	—	—
10-Dec-19	< 0.005	< 0.2	< 0.01	—	—	< 5	13.6	—	—	—	—
22-Jun-20	< 0.005	< 0.2	< 0.01	—	—	< 5	11.5	—	—	—	—
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	43.8	< 0.01	< 0.01	< 0.01	0.023
22-Jun-21	< 0.005	< 0.2	< 0.01	—	—	< 5	5.8	—	—	—	—
18-Nov-21	< 0.005	< 0.2	< 0.01	—	—	< 5	14.7	—	—	—	—
1-Jun-22	< 0.005	< 0.2	< 0.01	—	—	—	10.8	—	—	—	—
20-Dec-22	0.007	0.3	—	—	—	7.5	713	—	—	—	0.085
10-Jul-23	< 0.006	< 0.056	< 0.006	—	—	< 5	13	—	—	—	—
20-Nov-23	0.005	1	0.01	—	—	2	109	—	—	—	—
26-Jun-24	0.005	1	0.013	—	—	2	214	—	—	—	—
18-Nov-24	0.005	1	0.013	—	—	2	19	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
RW-C (Davis) KITCHEN TAP										
31-Mar-98	61	105	7.9	29	-	0.84	< 10	< 3	18	< 1
22-Oct-98	57	200	7	42	< 5	8.61	10	3	15	1
10-Jun-99	72	220	6	4.9	< 5	0.55	15	< 3	< 10	1
11-May-00	63	285	6.4	140	-	0.38	45	< 3	100	12
19-Oct-00	56	110	8.3	870	7	1.1	< 10	< 3	90	2
19-Jan-01	-	-	-	-	-	-	-	-	-	-
6-Jun-01	65	-116	8.4	1719	< 5	1.28	130	3	1300	110
12-Nov-01	53	-93	8.7	207	-	1.84	26	-	170	9
31-May-02	67	-23	7.2	72	-	0.29	< 10	3	130	5
21-Nov-02	58	-31	7	1245	6	1.9	170	< 3	880	110
16-May-03	58	-45	7.7	1593	5	0.1	19	< 3	< 25	1
19-Dec-03	44	-8	8.4	263	-	< 0.05	17	< 3	23	1
27-May-04	63	-94	8.1	823	-	< 0.05	11	< 3	108	2
14-Dec-04	49	-55	7.8	848	-	< 0.05	880	3	82	5
11-May-05	67	-65	8	163	-	< 0.05	20	5	< 25	5
17-Nov-05	58	-60	7.7	93	-	0.18	< 10	< 3	50	3
30-Jun-06	73	-60	8.4	128	-	0.16	17	4	57	3
3-Jan-07	48	-45	8.3	352	7	1.33	16	4	< 25	6
28-Jun-07	65	-163	7.8	479	-	0.8	13	11	2050	5
31-Dec-07	65	-61	8.1	636	-	< 0.05	22	4	30	3
29-May-08	61	-161	8.5	637	-	0.11	14	< 3	48	2
20-Aug-08	-	-	-	-	-	-	-	-	-	-
26-Nov-08	66	-108	8.9	926	< 5	0.24	13	< 3	< 25	4
29-May-09	65	161	7.8	1690	-	0.21	29	34	1900	3
31-Dec-09	58	126	7.6	308	-	1.04	150	44	2100	99
19-Feb-10	64	152	8	335	-	1.91	13	< 1	< 25	2
25-Jun-10	67	181	7.64	643	-	0.3	11.3	-	200	3
18-Nov-10	64	128	8	568	-	2.55	56	7	110	27
30-Jun-11	70	31	8	3015	-	1.03	140	47	1800	103
2-Dec-11	50	-39	8.1	298	-	5.36	180	130	1900	110
27-Apr-12	59	1.5	7.5	22900	-	0.28	160	31	2000	110
15-Oct-12	69	64	7.6	3450	-	< 0.1	170	28	2100	103
21-Jun-13	64	130	7.2	3200	-	< 1.0	148	40	2012	90
7-Oct-13	67	-32	7.9	2520	-	1	154	12	1998	105
13-May-14	64	29	7.2	2854	-	-	143	27	1970	98
2-Oct-14	57	117	7.5	2520	-	6.7	159	720	2070	94
5-May-15	59	59	7.2	2860	-	< 1.0	141	34	1940	99
4-Nov-15	63	86	7.4	2680	-	< 1.0	129	10	1930	89
25-May-16	59	64	7.4	2730	-	< 1.0	138	29	1920	81
10-Oct-16	56	62	8.0	2540	< 5.0	< 1.0	147	28	1720	118
27-Jun-17	60	69	6.2	166	-	< 1.0	8	21	70	13
9-Nov-17	54	-101	5.9	120	-	1.1	5	< 5	75	9
26-Apr-18	52	87	6.4	125	-	< 1.0	5.4	< 5	75	8
17-Oct-18	61	-55	6.7	129	-	< 1.0	6.1	13	58	12
11-Jun-19	60	-48	6.4	105	-	< 1.0	6.8	< 5	57	10
10-Dec-20	55	20	6.9	115	-	< 1.0	5.7	< 5	92	7
22-Jun-20	66	-38	6.8	97	-	< 1.0	8.4	< 5	78	10
3-Dec-20	55	-140	8.6	134	-	1.4	6.7	< 5	71	8
22-Jun-21	63	-137	8.7	177	-	< 1.0	9.1	< 5	90	11
1-Jun-22	61	-119	8.3	156	-	< 1.0	7.3	< 5	140	10
20-Dec-22	50	-53	8	2620	-	0.8	160	35	2060	94
10-Jul-23	49	-50	7.9	2580	-	4	45	< 5	29	10
26-Jun-24	-	-	-	-	-	-	-	-	-	-
18-Nov-24	52	-56	8.3	190	-	7	8	12	75	4

VAN BUREN LANDFILL (CLOSED)										
ONONDAGA COUNTY										
WATER QUALITY TEST DATA										
INORGANIC MATERIALS										
GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	-	-	-	-	0.001	0.1
RW-C										
(Davis)										
KITCHEN TAP										
31-Mar-98	< 5.0	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	8	1.9	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	6	1.7	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	7	-	0.4	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	9	1.8	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
19-Jan-01	-	-	-	-	-	-	-	-	-	-
6-Jun-01	1100	2.6	0.5	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	100	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
31-May-02	70	-	< 0.2	< 0.5	-	-	21	< 3	< 0.005	-
21-Nov-02	1200	2.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	< 5.0	1.6	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	9	-	< 0.2	0.8	-	-	< 20	< 3	< 0.005	-
27-May-04	39.1	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	15	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	< 5.0	-	< 0.2	< 0.5	-	-	< 20	< 3	0.007	-
17-Nov-05	11.5	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
30-Jun-06	7.3	-	< 0.2	0.5	-	-	< 20	< 3	< 0.005	-
3-Jan-07	< 5.0	1.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
28-Jun-07	20.5	-	0.4	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Dec-07	5.1	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
29-May-08	11.4	-	17.4	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Aug-08	-	-	0.3	-	-	-	-	-	-	-
26-Nov-08	17	1.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
29-May-09	34	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Dec-09	1140	-	< 0.2	0.5	-	-	< 20	< 3	< 0.005	-
19-Feb-10	13.5	-	0.1	< 0.5	-	-	< 20	< 3	< 0.005	-
25-Jun-10	7.77	-	0.089	< 0.5	< 0.5	-	< 20	< 3	< 0.005	-
18-Nov-10	54	-	0.14	-	-	-	-	-	-	-
30-Jun-11	704	-	-	0.88	-	-	-	-	-	-
1-Dec-11	1500	-	-	1.39	-	-	-	-	-	-
27-Apr-12	1080	-	-	-	-	-	-	-	-	-
21-Jun-13	1400	3.6	-	-	-	-	-	-	-	-
16-Oct-12	1180	-	< 0.05	0.22	-	-	< 5.0	-	< 0.01	-
7-Oct-13	1140	-	0.048	0.19	-	-	< 5.0	-	< 0.01	-
13-May-14	1150	-	-	0.67	-	-	-	0.54	-	-
2-Oct-14	1180	3.3	-	3.27	3.3	-	< 10	-	< 0.005	< 0.01
5-May-15	1380	-	< 0.1	0.23	-	-	< 10	-	< 0.005	-
4-Nov-15	1240	-	0.37	< 0.10	-	-	< 10	< 0.5	< 0.005	-
25-May-16	1100	-	< 0.1	0.19	-	-	< 10	< 1.0	0.011	-
10-Oct-16	1400	-	0.16	0.53	-	-	< 10	1.7	< 0.005	-
27-Jun-17	46	-	0.12	< 0.10	-	-	< 10	< 10	< 0.006	-
9-Nov-17	29	-	< 0.05	< 0.10	-	-	< 10	< 1.0	< 0.007	-
26-Apr-18	34	-	0.057	< 0.10	-	-	< 10	< 1.0	0.009	-
17-Oct-18	37	-	< 0.05	< 0.10	-	-	< 10	< 1.0	< 0.005	-
11-Jun-19	33	-	< 0.05	< 0.10	-	-	< 10	< 1.0	< 0.005	-
10-Dec-20	31	-	< 0.05	< 0.10	-	-	< 10	< 1.0	< 0.005	-
22-Jun-20	35	-	< 0.05	< 0.10	-	-	< 10	2.6	< 0.005	-
3-Dec-20	25	2.3	< 0.05	< 0.10	< 0.10	< 2	< 10	< 1.0	< 0.005	< 0.10
22-Jun-21	40	-	< 0.25	< 0.10	-	-	25	< 1.0	< 0.005	-
1-Jun-22	28	-	< 0.25	< 0.10	-	-	25	< 1.0	< 0.005	-
20-Dec-22	1230	3.5	0.06	2.2	2.3	-	36	< 1.0	< 0.005	-
10-Jul-23	24	-	0.1	0.25	-	-	15	< 1.0	< 0.005	-
26-Jun-24	-	-	-	-	-	-	-	-	-	-
18-Nov-24	23	-	1	0.06	-	-	5	1	0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS												
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1	[0.003]	0.01	-	0.05	0.05	0.2	0.3	
RW-C												
(Davis)												
KITCHEN TAP												
31-Mar-98	-	-	0.002	< 0.3	-	< 0.005	< 0.5	-	-	-	< 0.03	
22-Oct-98	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.04	
10-Jun-99	0.1	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.02	0.11	
11-May-00	-	-	-	-	-	< 0.005	< 0.5	-	-	-	0.06	
19-Oct-00	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	0.07	< 0.03	
19-Jan-01	-	-	-	-	-	-	-	-	-	-	-	
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.09	
12-Nov-01	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.04	
31-May-02	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.07	
21-Nov-02	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.05	< 0.01	< 0.02	0.19	
16-May-03	0.15	0.006	< 0.010	< 0.3	< 0.005	0.006	0.5	< 0.05	< 0.01	< 0.02	0.06	
19-Dec-03	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.03	
27-May-04	-	-	< 0.010	< 0.3	-	< 0.005	0.6	-	-	-	0.07	
14-Dec-04	-	-	< 0.010	< 0.3	-	0.007	1.1	-	-	-	0.09	
11-May-05	-	-	< 0.010	< 0.3	-	< 0.005	1.4	-	-	-	0.06	
17-Nov-05	-	-	< 0.010	< 0.3	-	< 0.005	0.8	-	-	-	0.09	
30-Jun-06	-	-	< 0.500	< 0.3	-	< 0.005	1.1	-	-	-	0.08	
3-Jan-07	0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	1.2	< 0.05	< 0.01	0.14	0.05	
28-Jun-07	-	-	< 0.500	< 0.3	-	< 0.005	3.9	-	-	-	0.04	
31-Dec-07	-	-	< 0.500	< 0.3	-	< 0.005	1.2	-	-	-	< 0.03	
29-May-08	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	< 0.03	
20-Aug-08	-	-	-	-	-	-	-	-	-	-	-	
26-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.5	< 0.05	< 0.01	0.22	0.04	
29-May-09	-	-	-	-	-	< 0.005	14	-	-	-	< 0.03	
31-Dec-09	-	-	-	-	-	< 0.005	16	-	-	-	0.13	
19-Feb-10	-	-	-	-	-	< 0.005	< 0.5	-	-	-	< 0.03	
25-Jun-10	-	-	-	-	-	< 0.005	< 0.5	-	-	-	< 0.03	
18-Nov-10	-	-	-	-	-	-	2.2	-	-	-	0.13	
30-Jun-11	-	-	-	-	-	-	17	-	-	-	0.17	
2-Dec-11	-	-	-	-	-	-	50	-	-	-	0.19	
27-Apr-12	-	-	-	-	-	-	12	-	-	-	0.08	
15-Oct-12	-	-	-	-	-	-	11	-	-	-	0.1	
21-Jun-13	-	-	-	-	-	< 0.02	16	-	-	-	0.09	
7-Oct-13	-	-	-	-	-	< 0.02	12	-	-	-	0.078	
13-May-14	-	-	-	-	-	-	11	-	-	-	0.11	
2-Oct-14	-	-	-	-	-	-	266	-	-	0.07	0.33	
5-May-15	-	-	-	-	-	< 0.005	104	-	-	-	< 0.1	
4-Nov-15	-	-	-	-	-	< 0.005	5.3	-	-	-	< 0.1	
25-May-16	-	-	-	-	-	< 0.005	14	-	-	-	< 0.1	
10-Oct-16	-	-	-	-	-	< 0.0025	11	-	-	-	< 0.1	
27-Jun-17	-	-	-	-	-	< 0.0025	0.8	-	-	-	< 0.1	
9-Nov-17	-	-	-	-	-	< 0.0025	0.8	-	-	-	< 0.02	
26-Apr-18	-	-	-	-	-	< 0.0025	1.6	-	-	-	< 0.02	
17-Oct-18	-	-	-	-	-	< 0.0025	3.5	-	-	-	< 0.02	
11-Jun-19	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02	
10-Dec-20	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02	
22-Jun-20	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02	
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	< 0.2	< 0.01	-	< 0.025	< 0.02	
22-Jun-21	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02	
1-Jun-22	-	-	-	-	-	< 0.0025	0.3	-	-	-	< 0.02	
20-Dec-22	0.13	-	-	-	-	-	12	-	-	0.025	< 0.02	
10-Jul-23	-	-	-	-	-	< 0.0033	0.4	-	-	-	< 0.28	
26-Jun-24	-	-	-	-	-	-	-	-	-	-	-	
18-Nov-24	-	-	-	-	-	0.005	3.4	-	-	-	0.1	

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-C (Davis) KITCHEN TAP											
31-Mar-98	0.005	< 0.5	< 0.02	< 0.0004	—	< 0.05	4.2	—	—	—	—
22-Oct-98	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	6.1	< 0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	5.3	< 0.001	< 0.05	< 0.003	0.02
11-May-00	0.003	< 0.5	< 0.02	—	—	2	28	—	—	—	—
19-Oct-00	0.008	< 0.5	< 0.02	< 0.0004	< 0.03	1	8.1	0.002	< 0.05	< 0.003	0.06
19-Jan-01	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	12	420	< 0.001	< 0.05	< 0.003	0.06
12-Nov-01	0.003	< 0.5	< 0.02	—	—	0.5	53	—	—	—	—
31-May-02	0.005	< 0.5	< 0.02	< 0.0004	—	< 0.5	14	—	—	—	—
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	1.1	290	< 0.005	< 0.05	< 0.003	0.09
16-May-03	0.001	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	4.5	< 0.005	< 0.05	< 0.003	0.02
19-Dec-03	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.8	—	—	—	—
27-May-04	0.003	< 0.5	< 0.02	< 0.0004	—	1.1	6.2	—	—	—	—
14-Dec-04	0.004	< 0.5	< 0.02	< 0.0004	—	1.6	7.3	—	—	—	—
11-May-05	0.002	< 0.5	< 0.02	< 0.0004	—	1.4	5.5	—	—	—	—
17-Nov-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	1.2	7.2	—	—	—	—
30-Jun-06	0.008	< 0.5	< 0.02	< 0.0004	—	0.8	8.3	—	—	—	—
3-Jan-07	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	6.3	< 0.005	< 0.05	< 0.003	0.33
28-Jun-07	0.005	< 0.5	< 0.02	< 0.0004	—	0.8	11	—	—	—	—
31-Dec-07	0.006	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.3	—	—	—	—
29-May-08	< 0.003	< 0.5	< 0.02	< 0.0002	—	< 0.5	7.6	—	—	—	—
20-Aug-08	—	—	—	—	—	—	—	—	—	—	—
26-Nov-08	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	0.7	11	< 0.005	< 0.05	< 0.003	0.45
29-May-09	0.003	< 0.5	< 0.02	—	—	25	650	—	—	—	—
31-Dec-09	< 0.001	0.8	< 0.02	—	—	42	620	—	—	—	—
19-Feb-10	0.002	< 0.5	< 0.02	—	—	< 0.5	6	—	—	—	—
25-Jun-10	—	< 0.5	< 0.02	—	—	< 0.5	8.6	—	—	—	—
18-Nov-10	—	—	—	—	—	7	71	—	—	—	—
30-Jun-11	—	0.91	0.06	—	—	27	680	—	—	—	—
2-Dec-11	—	2	0.04	—	—	29	710	—	—	—	—
27-Apr-12	—	—	—	—	—	34	680	—	—	—	—
15-Oct-12	—	—	—	—	—	12	760	—	—	—	—
21-Jun-13	< 0.001	0.5	< 0.01	—	—	18	628	—	—	—	—
7-Oct-13	< 0.02	< 1.0	< 0.01	—	—	12	709	—	—	—	—
13-May-14	—	—	< 0.01	—	—	17	624	—	—	—	—
2-Oct-14	—	13.5	0.04	—	—	47	302	—	—	—	0.05
5-May-15	< 0.003	< 5.0	< 0.015	—	—	16	694	—	—	—	—
4-Nov-15	< 0.003	< 5.0	< 0.015	—	—	9.5	759	—	—	—	—
25-May-16	0.0045	< 5.0	< 0.015	—	—	11	690	—	—	—	—
10-Oct-16	0.005	0.4	< 0.01	—	—	18	774	—	—	—	—
27-Jun-17	< 0.005	< 0.2	< 0.01	—	—	< 0.5	130	—	—	—	—
9-Nov-17	< 0.005	< 0.2	< 0.01	—	—	< 5	241	—	—	—	—
26-Apr-18	< 0.005	< 0.2	< 0.01	—	—	< 5	233	—	—	—	—
17-Oct-18	< 0.005	< 0.2	0.016	—	—	< 5	18	—	—	—	—
11-Jun-19	< 0.005	< 0.2	< 0.01	—	—	< 5	211	—	—	—	—
10-Dec-20	< 0.005	< 0.2	< 0.01	—	—	< 5	212	—	—	—	—
22-Jun-20	< 0.005	< 0.2	< 0.01	—	—	< 5	237	—	—	—	—
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	24.7	< 0.01	< 0.01	< 0.01	< 0.02
22-Jun-21	< 0.005	< 0.2	< 0.01	—	—	< 5	237	—	—	—	—
1-Jun-22	< 0.005	< 0.2	< 0.01	—	—	< 5	21	—	—	—	—
20-Dec-22	0.006	0.9	—	—	—	27	697	—	—	—	—
10-Jul-23	< 0.006	< 0.006	< 0.006	—	—	< 5	19	—	—	—	—
26-Jun-24	—	—	—	—	—	—	—	—	—	—	—
18-Nov-24	0.005	1.0	0.019	—	—	2	13	—	—	—	—

Appendix D

Sampling Data



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: RW-A (MILLER) Lab ID: R2411878-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	7.18			5.00	ug/L	624.1
Alkalinity, Total as CaCO3	65.7			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.082			0.050	mg/L	350.1
Chloride	26.6			2.0	mg/L	300.0
Potassium, Total	2500			2000	ug/L	6010D
Sodium, Total	73000			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	200			10	mg/L	SM 2540 C-2015
Sulfate	47.9			2.0	mg/L	300.0
Turbidity	0.13			0.10	NTU	180.1

CLIENT ID: RW-B (NOLAN) Lab ID: R2411878-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	10.9			2.0	mg/L	SM 2320 B-1997 (2011)
Chloride	5.0			2.0	mg/L	300.0
Sodium, Total	19200			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	60			10	mg/L	SM 2540 C-2015
Sulfate	14.9			2.0	mg/L	300.0
Turbidity	0.11			0.10	NTU	180.1

CLIENT ID: RW-C (DAVIS) Lab ID: R2411878-004

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	7.8			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.059			0.050	mg/L	350.1
Calcium, Total	3400			1000	ug/L	6010D
Chloride	4.2			2.0	mg/L	300.0
Dichloromethane	3.19			1.00	ug/L	624.1
Hardness, Total as CaCO3	11.5			6.62	mg/L	SM 2340 B-1997 (2011)
Manganese, Total	19			10	ug/L	6010D
Sodium, Total	12500			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	75			10	mg/L	SM 2540 C-2015
Sulfate	22.7			2.0	mg/L	300.0
Turbidity	0.67			0.10	NTU	180.1



Chain of Custody / Analytical Request Form

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

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SR#:

Report To:

CLIENT / SAMPLER

Preservative

0 3 0 3 0 2 1

0. None

Company: Analytic, LLC Project Name: Analytic - Residential

Contact: Carole Scala Project Number:

email: Carole@Analytic.com ALS Quote #:

Phone: 315-437-0255 Sampler's Signature: *Brian Nichols*

Address: Analytic, LLC Email cc: Tony.Scala@Analytic.com

P.O. Box 289, Email cc: ZionEnvironmental@gmail.com

Syracuse, NY 13206 State Sampler Collected: New York

Sample Collection Information:

Lab ID (ALS)	Sample ID:	Date	Time	Matrix	Number of Containers	Alkalinity / 250ml Plastic	Ammonia, COD / 250 ml Plastic	Nitrate, TDS, Sulfate, Chloride / 250 ml	Phenol, TOC / 250 ml Amber (Wide)	Turbidity / 125ml Plastic	Total Metals: Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Hardness Calc. / 125ml	624 Method / 40 ml Glass Vial
RW-A (MILLER)		11/18/24	1735	DW	9	1	1	1	1	1	1	3
RW-A (MILLER) INFLUENT		11/18/24	1750	DW	3							3
RW-B (NOLAN)		11/18/24	1715	DW	9	1	1	1	1	1	1	3
RW-C (DAVIS)		11/19/24	1650	DW	9	1	1	1	1	1	1	3
Trip Blank		11/19/24	LAB	DI	3							3

Special Instructions / Comments:

Turnaround Requirements

Report Requirements

Metals: R

IP: Other (List)

Rush (Surcharges Apply)

Subject to Availability

Please Check with your PM

X Standard (10 Business Days)

Date Required:

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Report w/ Data

Cr6 7196/Std: 17500 ; BOD ; CT ; Cr6 7159/218.6
353.2 NO2 ; OPO4 ; 300 NO2/NO3 ; Sulfide
RES Cl ; DO ; Ferrus Iron ; Sulfite ; UV 254 ; CHL A
Color ; Turbidity ; Set Solids

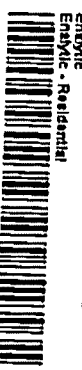
VOA/SVOA Report List: TCL • BTEX • TQP •
CP-51/Stars • THM • Other: _____
Invoice To: (X Same as Report To)

PO #: _____
Company: _____

Contact: _____

Emp # R2411878

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Signature	<i>Brian Nichols</i>	Received By:	<i>Abbie Hushin</i>	Relinquished By:		Received By:		Relinquished By:		Received By:		Relinquished By:	
Printed Name	Brian Nichols	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>
Company	Zion Environmental	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>	Signature	<i>Abbie Hushin</i>	Signature	<i>Brian Nichols</i>
Date/Time	11/19/24 @ 12:00	Date/Time	11/20/24 10:15	Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	

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R2411878

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Cooler Receipt and Preservation Check Form

Project/Client _____ Folder Number _____

Cooler received on 11/20/24 by: AA COURIER: ALS UPS ~~FEDEX~~ VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y: <input checked="" type="radio"/> N: <input type="radio"/>	5a	Did VOA vials have sig* bubbles? ..	* <input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> NA
2	Custody papers properly completed (ink, signed)?	<input checked="" type="radio"/> Y <input type="radio"/> N	5b	Sig* bubbles: Alk?	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> NA Sulfide? <input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> NA
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="radio"/> Y <input type="radio"/> N	6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="radio"/> Y <input type="radio"/> N	7	Soil VOA received as:	Bulk Encore -5035set <input checked="" type="radio"/> NA

8: Temperature Readings: Date: 11/20/24 Time: 1034 ID: IR#12 IR#11 From: Temp Blank Sample Bottle

Temp (°C)	<u>3.2</u>						
Within 0-6°C?	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
If <0°C, were samples frozen?	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

If out of Temperature, note packing/ice condition: _____ Ice melted: _____ Poorly Packed (described below) _____ Same Day Rule & Client Approval to Run Samples: _____ Standing Approval: _____ Client aware at drop-off _____ Client notified by: _____

All samples held in storage location: SMO by AA on 11/20 at 1039
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 11/20/24 Time: 1333 by: AA

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO no date or time
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
- 13. Were dissolved metals filtered in the field? YES NO N/A
- 14. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized _____ Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2	<u>226322</u>	HNO ₃	<input checked="" type="checkbox"/>		<u>24002372</u>	<u>5/25</u>				
≤2	<u>226322</u>	H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>24004104</u>	<u>7/26</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol 625, 608pest, 522		<input checked="" type="checkbox"/>	If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 081423-2EKJ, 081924-4EIKI, 071524-1EKP,
Explain all Discrepancies/ Other Comments: 030623-2ADD, 052223-3AXH

5a) RW-A 1 of 3

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: AA *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Enalytic
Project: Enalytic - Residential/

Service Request: R2411878

Sample Name: RW-A (MILLER)
Lab Code: R2411878-001
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
180.1		SBIRNBERG
300.0		KAWONG
350.1		GNITAJOUPPI
6010D	NMANSEN	NMANSEN
624		FNAEGLER
9060A		KAWONG
9066		CWOODS
Hach 8000 (1979)		SDUBE
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		CPETE

Sample Name: RW-A (MILLER) INFLUENT
Lab Code: R2411878-002
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
624		FNAEGLER

Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
180.1		SBIRNBERG
300.0		KAWONG
350.1		GNITAJOUPPI
6010D	NMANSEN	NMANSEN
624		FNAEGLER
9060A		KAWONG
9066		CWOODS
Hach 8000 (1979)		SDUBE
SM 2320 B-1997(2011)		KAWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Enalytic
Project: Enalytic - Residential/

Service Request: R2411878

Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
SM 2540 C-2015		CPETE

Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
180.1		SBIRNBERG
300.0		KAWONG
350.1		GNITAJOUPPI
6010D	NMANSEN	NMANSEN
624		FNAEGLER
9060A		KAWONG
9066		CWOODS
Hach 8000 (1979)		SDUBE
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		CPETE

Sample Name: Trip Blank
Lab Code: R2411878-005
Sample Matrix: Water

Date Collected: 11/18/24
Date Received: 11/20/24

Analysis Method	Extracted/Digested By	Analyzed By
624		FNAEGLER



PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":

For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.



Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24 17:35
Date Received: 11/20/24 10:15

Sample Name: RW-A (MILLER)
Lab Code: R2411878-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 14:09	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 14:09	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 14:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 14:09	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 14:09	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 14:09	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 14:09	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 14:09	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 14:09	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 14:09	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 14:09	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 14:09	
2-Hexanone	5.00 U	5.00	1	11/27/24 14:09	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 14:09	
Acetone	7.18	5.00	1	11/27/24 14:09	
Benzene	1.00 U	1.00	1	11/27/24 14:09	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 14:09	
Bromoform	1.00 U	1.00	1	11/27/24 14:09	
Bromomethane	1.00 U	1.00	1	11/27/24 14:09	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 14:09	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 14:09	
Chlorobenzene	1.00 U	1.00	1	11/27/24 14:09	
Chloroethane	1.00 U	1.00	1	11/27/24 14:09	
Chloroform	1.00 U	1.00	1	11/27/24 14:09	
Chloromethane	1.00 U	1.00	1	11/27/24 14:09	
Cyclohexane	1.00 U	1.00	1	11/27/24 14:09	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 14:09	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 14:09	
Dichloromethane	1.00 U	1.00	1	11/27/24 14:09	
Ethylbenzene	1.00 U	1.00	1	11/27/24 14:09	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 14:09	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 14:09	
Styrene	1.00 U	1.00	1	11/27/24 14:09	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 14:09	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 14:09	
Toluene	1.00 U	1.00	1	11/27/24 14:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-A (MILLER)
Lab Code: R2411878-001

Service Request: R2411878
Date Collected: 11/18/24 17:35
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 14:09	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 14:09	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 14:09	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:09	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:09	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 14:09	
o-Xylene	1.00 U	1.00	1	11/27/24 14:09	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:09	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	11/27/24 14:09	
Dibromofluoromethane	101	80 - 116	11/27/24 14:09	
Toluene-d8	107	87 - 121	11/27/24 14:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-A (MILLER) INFLUENT
Lab Code: R2411878-002

Service Request: R2411878
Date Collected: 11/18/24 17:50
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 14:31	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 14:31	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 14:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 14:31	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 14:31	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 14:31	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 14:31	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 14:31	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 14:31	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 14:31	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 14:31	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 14:31	
2-Hexanone	5.00 U	5.00	1	11/27/24 14:31	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 14:31	
Acetone	5.00 U	5.00	1	11/27/24 14:31	
Benzene	1.00 U	1.00	1	11/27/24 14:31	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 14:31	
Bromoform	1.00 U	1.00	1	11/27/24 14:31	
Bromomethane	1.00 U	1.00	1	11/27/24 14:31	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 14:31	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 14:31	
Chlorobenzene	1.00 U	1.00	1	11/27/24 14:31	
Chloroethane	1.00 U	1.00	1	11/27/24 14:31	
Chloroform	1.00 U	1.00	1	11/27/24 14:31	
Chloromethane	1.00 U	1.00	1	11/27/24 14:31	
Cyclohexane	1.00 U	1.00	1	11/27/24 14:31	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 14:31	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 14:31	
Dichloromethane	1.00 U	1.00	1	11/27/24 14:31	
Ethylbenzene	1.00 U	1.00	1	11/27/24 14:31	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 14:31	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 14:31	
Styrene	1.00 U	1.00	1	11/27/24 14:31	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 14:31	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 14:31	
Toluene	1.00 U	1.00	1	11/27/24 14:31	

ALS Group USA, Corp.
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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-A (MILLER) INFLUENT
Lab Code: R2411878-002

Service Request: R2411878
Date Collected: 11/18/24 17:50
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 14:31	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 14:31	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 14:31	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:31	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:31	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 14:31	
o-Xylene	1.00 U	1.00	1	11/27/24 14:31	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:31	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	11/27/24 14:31	
Dibromofluoromethane	98	80 - 116	11/27/24 14:31	
Toluene-d8	104	87 - 121	11/27/24 14:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Enalytic - Residential
Sample Matrix: Water
Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003

Service Request: R2411878
Date Collected: 11/18/24 17:15
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 14:54	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 14:54	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 14:54	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 14:54	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 14:54	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 14:54	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 14:54	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 14:54	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 14:54	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 14:54	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 14:54	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 14:54	
2-Hexanone	5.00 U	5.00	1	11/27/24 14:54	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 14:54	
Acetone	5.00 U	5.00	1	11/27/24 14:54	
Benzene	1.00 U	1.00	1	11/27/24 14:54	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 14:54	
Bromoform	1.00 U	1.00	1	11/27/24 14:54	
Bromomethane	1.00 U	1.00	1	11/27/24 14:54	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 14:54	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 14:54	
Chlorobenzene	1.00 U	1.00	1	11/27/24 14:54	
Chloroethane	1.00 U	1.00	1	11/27/24 14:54	
Chloroform	1.00 U	1.00	1	11/27/24 14:54	
Chloromethane	1.00 U	1.00	1	11/27/24 14:54	
Cyclohexane	1.00 U	1.00	1	11/27/24 14:54	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 14:54	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 14:54	
Dichloromethane	1.00 U	1.00	1	11/27/24 14:54	
Ethylbenzene	1.00 U	1.00	1	11/27/24 14:54	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 14:54	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 14:54	
Styrene	1.00 U	1.00	1	11/27/24 14:54	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 14:54	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 14:54	
Toluene	1.00 U	1.00	1	11/27/24 14:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003

Service Request: R2411878
Date Collected: 11/18/24 17:15
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 14:54	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 14:54	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 14:54	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:54	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:54	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 14:54	
o-Xylene	1.00 U	1.00	1	11/27/24 14:54	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 14:54	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 14:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	11/27/24 14:54	
Dibromofluoromethane	100	80 - 116	11/27/24 14:54	
Toluene-d8	106	87 - 121	11/27/24 14:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004

Service Request: R2411878
Date Collected: 11/18/24 16:50
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 15:17	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 15:17	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 15:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 15:17	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 15:17	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 15:17	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 15:17	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 15:17	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 15:17	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 15:17	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 15:17	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 15:17	
2-Hexanone	5.00 U	5.00	1	11/27/24 15:17	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 15:17	
Acetone	5.00 U	5.00	1	11/27/24 15:17	
Benzene	1.00 U	1.00	1	11/27/24 15:17	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 15:17	
Bromoform	1.00 U	1.00	1	11/27/24 15:17	
Bromomethane	1.00 U	1.00	1	11/27/24 15:17	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 15:17	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 15:17	
Chlorobenzene	1.00 U	1.00	1	11/27/24 15:17	
Chloroethane	1.00 U	1.00	1	11/27/24 15:17	
Chloroform	1.00 U	1.00	1	11/27/24 15:17	
Chloromethane	1.00 U	1.00	1	11/27/24 15:17	
Cyclohexane	1.00 U	1.00	1	11/27/24 15:17	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 15:17	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 15:17	
Dichloromethane	3.19	1.00	1	11/27/24 15:17	
Ethylbenzene	1.00 U	1.00	1	11/27/24 15:17	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 15:17	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 15:17	
Styrene	1.00 U	1.00	1	11/27/24 15:17	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 15:17	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 15:17	
Toluene	1.00 U	1.00	1	11/27/24 15:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004

Service Request: R2411878
Date Collected: 11/18/24 16:50
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 15:17	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 15:17	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 15:17	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 15:17	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 15:17	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 15:17	
o-Xylene	1.00 U	1.00	1	11/27/24 15:17	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 15:17	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 15:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/27/24 15:17	
Dibromofluoromethane	99	80 - 116	11/27/24 15:17	
Toluene-d8	106	87 - 121	11/27/24 15:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24
Date Received: 11/20/24 10:15

Sample Name: Trip Blank
Lab Code: R2411878-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 13:46	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 13:46	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 13:46	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 13:46	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 13:46	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 13:46	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 13:46	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 13:46	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 13:46	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 13:46	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 13:46	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 13:46	
2-Hexanone	5.00 U	5.00	1	11/27/24 13:46	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 13:46	
Acetone	5.00 U	5.00	1	11/27/24 13:46	
Benzene	1.00 U	1.00	1	11/27/24 13:46	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 13:46	
Bromoform	1.00 U	1.00	1	11/27/24 13:46	
Bromomethane	1.00 U	1.00	1	11/27/24 13:46	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 13:46	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 13:46	
Chlorobenzene	1.00 U	1.00	1	11/27/24 13:46	
Chloroethane	1.00 U	1.00	1	11/27/24 13:46	
Chloroform	1.00 U	1.00	1	11/27/24 13:46	
Chloromethane	1.00 U	1.00	1	11/27/24 13:46	
Cyclohexane	1.00 U	1.00	1	11/27/24 13:46	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 13:46	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 13:46	
Dichloromethane	1.00 U	1.00	1	11/27/24 13:46	
Ethylbenzene	1.00 U	1.00	1	11/27/24 13:46	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 13:46	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 13:46	
Styrene	1.00 U	1.00	1	11/27/24 13:46	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 13:46	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 13:46	
Toluene	1.00 U	1.00	1	11/27/24 13:46	

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Analytical Report

Client: Enalytic
Project: Enalytic - Residential
Sample Matrix: Water
Sample Name: Trip Blank
Lab Code: R2411878-005

Service Request: R2411878
Date Collected: 11/18/24
Date Received: 11/20/24 10:15

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 13:46	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 13:46	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 13:46	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 13:46	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 13:46	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 13:46	
o-Xylene	1.00 U	1.00	1	11/27/24 13:46	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 13:46	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 13:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	11/27/24 13:46	
Dibromofluoromethane	96	80 - 116	11/27/24 13:46	
Toluene-d8	102	87 - 121	11/27/24 13:46	



Metals

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Analytical Report

Client: Enalytic
Project: Enalytic - Residential
Sample Matrix: Water
Sample Name: RW-A (MILLER)
Lab Code: R2411878-001

Service Request: R2411878
Date Collected: 11/18/24 17:35
Date Received: 11/20/24 10:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:17	11/21/24	
Calcium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 21:17	11/21/24	
Iron, Total	6010D	100 U	ug/L	100	1	11/22/24 21:17	11/21/24	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:17	11/21/24	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 21:17	11/21/24	
Manganese, Total	6010D	10 U	ug/L	10	1	11/22/24 21:17	11/21/24	
Potassium, Total	6010D	2500	ug/L	2000	1	11/22/24 21:17	11/21/24	
Sodium, Total	6010D	73000	ug/L	1000	1	11/22/24 21:17	11/21/24	

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24 17:15
Date Received: 11/20/24 10:15

Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:20	11/21/24	
Calcium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 21:20	11/21/24	
Iron, Total	6010D	100 U	ug/L	100	1	11/22/24 21:20	11/21/24	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:20	11/21/24	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 21:20	11/21/24	
Manganese, Total	6010D	10 U	ug/L	10	1	11/22/24 21:20	11/21/24	
Potassium, Total	6010D	2000 U	ug/L	2000	1	11/22/24 21:20	11/21/24	
Sodium, Total	6010D	19200	ug/L	1000	1	11/22/24 21:20	11/21/24	

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Analytical Report

Client: Enalytic
Project: Enalytic - Residential
Sample Matrix: Water

Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004

Service Request: R2411878
Date Collected: 11/18/24 16:50
Date Received: 11/20/24 10:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:24	11/21/24	
Calcium, Total	6010D	3400	ug/L	1000	1	11/22/24 21:24	11/21/24	
Iron, Total	6010D	100 U	ug/L	100	1	11/22/24 21:24	11/21/24	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 21:24	11/21/24	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 21:24	11/21/24	
Manganese, Total	6010D	19	ug/L	10	1	11/22/24 21:24	11/21/24	
Potassium, Total	6010D	2000 U	ug/L	2000	1	11/22/24 21:24	11/21/24	
Sodium, Total	6010D	12500	ug/L	1000	1	11/22/24 21:24	11/21/24	



General Chemistry

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: RW-A (MILLER)
Lab Code: R2411878-001

Service Request: R2411878
Date Collected: 11/18/24 17:35
Date Received: 11/20/24 10:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	65.7	mg/L	2.0	1	11/24/24 07:53	
Ammonia as Nitrogen, undistilled	350.1	0.082	mg/L	0.050	1	11/27/24 13:10	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	12/07/24 23:58	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	11/25/24 10:55	
Chloride	300.0	26.6	mg/L	2.0	10	11/20/24 15:32	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	6.62 U	mg/L	6.62	1	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	11/20/24 15:32	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	11/27/24 04:07	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	200	mg/L	10	1	11/21/24 15:33	
Sulfate	300.0	47.9	mg/L	2.0	10	11/20/24 15:32	
Turbidity	180.1	0.13	NTU	0.10	1	11/20/24 16:35	

ALS Group USA, Corp.
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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24 17:15
Date Received: 11/20/24 10:15

Sample Name: RW-B (NOLAN)
Lab Code: R2411878-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	10.9	mg/L	2.0	1	11/24/24 17:11	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	11/27/24 13:11	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	12/08/24 01:13	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	11/25/24 10:55	
Chloride	300.0	5.0	mg/L	2.0	10	11/20/24 15:38	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	6.62 U	mg/L	6.62	1	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	11/20/24 15:38	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	11/27/24 03:39	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	60	mg/L	10	1	11/21/24 15:33	
Sulfate	300.0	14.9	mg/L	2.0	10	11/20/24 15:38	
Turbidity	180.1	0.11	NTU	0.10	1	11/20/24 16:35	

ALS Group USA, Corp.
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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004

Service Request: R2411878
Date Collected: 11/18/24 16:50
Date Received: 11/20/24 10:15

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	7.8	mg/L	2.0	1	11/24/24 17:17	
Ammonia as Nitrogen, undistilled	350.1	0.059	mg/L	0.050	1	11/27/24 13:12	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	12/08/24 01:33	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	11/25/24 10:55	
Chloride	300.0	4.2	mg/L	2.0	10	11/20/24 15:44	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	11.5	mg/L	6.62	1	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	11/20/24 15:44	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	11/27/24 04:12	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	75	mg/L	10	1	11/21/24 15:33	
Sulfate	300.0	22.7	mg/L	2.0	10	11/20/24 15:44	
Turbidity	180.1	0.67	NTU	0.10	1	11/20/24 16:35	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	80 - 116	87 - 121
RW-A (MILLER)	R2411878-001	100	101	107
RW-A (MILLER) INFLUENT	R2411878-002	96	98	104
RW-B (NOLAN)	R2411878-003	97	100	106
RW-C (DAVIS)	R2411878-004	95	99	106
Trip Blank	R2411878-005	96	96	102
Lab Control Sample	RQ2415285-03	92	98	100
Method Blank	RQ2415285-05	94	96	100

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2415285-05

Service Request: R2411878
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	11/27/24 10:44	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	11/27/24 10:44	
1,1,2-Trichloroethane	1.00 U	1.00	1	11/27/24 10:44	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	11/27/24 10:44	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	11/27/24 10:44	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	11/27/24 10:44	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	11/27/24 10:44	
1,2-Dibromoethane	1.00 U	1.00	1	11/27/24 10:44	
1,2-Dichlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
1,2-Dichloroethane	1.00 U	1.00	1	11/27/24 10:44	
1,2-Dichloropropane	1.00 U	1.00	1	11/27/24 10:44	
1,3-Dichlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
1,4-Dichlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
1,4-Dioxane	40.0 U	40.0	1	11/27/24 10:44	
2-Butanone (MEK)	5.00 U	5.00	1	11/27/24 10:44	
2-Hexanone	5.00 U	5.00	1	11/27/24 10:44	
4-Methyl-2-pentanone	5.00 U	5.00	1	11/27/24 10:44	
Acetone	5.00 U	5.00	1	11/27/24 10:44	
Benzene	1.00 U	1.00	1	11/27/24 10:44	
Bromodichloromethane	1.00 U	1.00	1	11/27/24 10:44	
Bromoform	1.00 U	1.00	1	11/27/24 10:44	
Bromomethane	1.00 U	1.00	1	11/27/24 10:44	
Carbon Disulfide	10.0 U	10.0	1	11/27/24 10:44	
Carbon Tetrachloride	1.00 U	1.00	1	11/27/24 10:44	
Chlorobenzene	1.00 U	1.00	1	11/27/24 10:44	
Chloroethane	1.00 U	1.00	1	11/27/24 10:44	
Chloroform	1.00 U	1.00	1	11/27/24 10:44	
Chloromethane	1.00 U	1.00	1	11/27/24 10:44	
Cyclohexane	1.00 U	1.00	1	11/27/24 10:44	
Dibromochloromethane	1.00 U	1.00	1	11/27/24 10:44	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	11/27/24 10:44	
Dichloromethane	1.00 U	1.00	1	11/27/24 10:44	
Ethylbenzene	1.00 U	1.00	1	11/27/24 10:44	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	11/27/24 10:44	
Methyl tert-Butyl Ether	1.00 U	1.00	1	11/27/24 10:44	
Styrene	1.00 U	1.00	1	11/27/24 10:44	
Tetrachloroethene (PCE)	1.00 U	1.00	1	11/27/24 10:44	
Tetrahydrofuran (THF)	5.00 U	5.00	1	11/27/24 10:44	
Toluene	1.00 U	1.00	1	11/27/24 10:44	

ALS Group USA, Corp.
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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2415285-05

Service Request: R2411878
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	11/27/24 10:44	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	11/27/24 10:44	
Vinyl Chloride	1.00 U	1.00	1	11/27/24 10:44	
cis-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 10:44	
cis-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 10:44	
m,p-Xylenes	2.00 U	2.00	1	11/27/24 10:44	
o-Xylene	1.00 U	1.00	1	11/27/24 10:44	
trans-1,2-Dichloroethene	1.00 U	1.00	1	11/27/24 10:44	
trans-1,3-Dichloropropene	1.00 U	1.00	1	11/27/24 10:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/27/24 10:44	
Dibromofluoromethane	96	80 - 116	11/27/24 10:44	
Toluene-d8	100	87 - 121	11/27/24 10:44	

ALS Group USA, Corp.
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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Analyzed: 11/27/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2415285-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624.1	17.7	20.0	89	70-130
1,1,2,2-Tetrachloroethane	624.1	18.9	20.0	94	60-140
1,1,2-Trichloroethane	624.1	17.2	20.0	86	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	624.1	17.8	20.0	89	67-124
1,1-Dichloroethane (1,1-DCA)	624.1	19.4	20.0	97	70-130
1,1-Dichloroethene (1,1-DCE)	624.1	17.8	20.0	89	50-150
1,2,3-Trichlorobenzene	624.1	17.6	20.0	88	67-136
1,2,4-Trichlorobenzene	624.1	17.8	20.0	89	75-132
1,2-Dibromo-3-chloropropane (DBCP)	624.1	14.3	20.0	71	55-136
1,2-Dibromoethane	624.1	17.0	20.0	85	82-127
1,2-Dichlorobenzene	624.1	17.8	20.0	89	65-135
1,2-Dichloroethane	624.1	19.3	20.0	97	70-130
1,2-Dichloropropane	624.1	19.1	20.0	95	35-165
1,3-Dichlorobenzene	624.1	17.6	20.0	88	70-130
1,4-Dichlorobenzene	624.1	17.5	20.0	88	65-135
1,4-Dioxane	624.1	325	400	81	44-154
2-Butanone (MEK)	624.1	19.0	20.0	95	61-137
2-Hexanone	624.1	19.0	20.0	95	63-124
4-Methyl-2-pentanone	624.1	19.4	20.0	97	66-124
Acetone	624.1	15.4	20.0	77	40-161
Benzene	624.1	18.2	20.0	91	65-135
Bromodichloromethane	624.1	16.7	20.0	84	65-135
Bromoform	624.1	14.4	20.0	72	70-130
Bromomethane	624.1	18.7	20.0	94	15-185
Carbon Disulfide	624.1	16.0	20.0	80	66-128
Carbon Tetrachloride	624.1	15.5	20.0	77	70-130
Chlorobenzene	624.1	17.6	20.0	88	65-135
Chloroethane	624.1	15.2	20.0	76	40-160
Chloroform	624.1	18.0	20.0	90	70-135
Chloromethane	624.1	22.0	20.0	110	1-205
Cyclohexane	624.1	21.4	20.0	107	69-120
Dibromochloromethane	624.1	16.2	20.0	81	70-135
Dichlorodifluoromethane (CFC 12)	624.1	25.3	20.0	127	59-155

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Analyzed: 11/27/24

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2415285-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichloromethane	624.1	19.5	20.0	97	60-140
Ethylbenzene	624.1	17.8	20.0	89	60-140
Isopropylbenzene (Cumene)	624.1	17.5	20.0	87	77-128
Methyl tert-Butyl Ether	624.1	17.9	20.0	90	75-118
Styrene	624.1	16.7	20.0	84	80-124
Tetrachloroethene (PCE)	624.1	18.4	20.0	92	70-130
Tetrahydrofuran (THF)	624.1	19.0	20.0	95	48-141
Toluene	624.1	18.1	20.0	91	70-130
Trichloroethene (TCE)	624.1	17.1	20.0	86	65-135
Trichlorofluoromethane (CFC 11)	624.1	18.7	20.0	94	50-150
Vinyl Chloride	624.1	19.9	20.0	99	5-195
cis-1,2-Dichloroethene	624.1	19.5	20.0	97	80-117
cis-1,3-Dichloropropene	624.1	17.4	20.0	87	25-175
m,p-Xylenes	624.1	35.8	40.0	89	80-126
o-Xylene	624.1	16.2	20.0	81	79-123
trans-1,2-Dichloroethene	624.1	16.8	20.0	84	70-130
trans-1,3-Dichloropropene	624.1	17.6	20.0	88	50-150



Metals

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2411878-MB

Service Request: R2411878
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 20:25	11/21/24	
Calcium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 20:25	11/21/24	
Iron, Total	6010D	100 U	ug/L	100	1	11/22/24 20:25	11/21/24	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	11/22/24 20:25	11/21/24	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 20:25	11/21/24	
Manganese, Total	6010D	10 U	ug/L	10	1	11/22/24 20:25	11/21/24	
Potassium, Total	6010D	2000 U	ug/L	2000	1	11/22/24 20:25	11/21/24	
Sodium, Total	6010D	1000 U	ug/L	1000	1	11/22/24 20:25	11/21/24	

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878

Date Analyzed: 11/22/24

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2411878-LCS

Duplicate Lab Control Sample
R2411878-DLCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Cadmium, Total	6010D	50.3	50.0	101	49.9	50.0	100	80-120	<1	20
Calcium, Total	6010D	1930	2000	97	1920	2000	96	80-120	<1	20
Iron, Total	6010D	1030	1000	103	1030	1000	103	80-120	<1	20
Lead, Total	6010D	511	500	102	507	500	101	80-120	<1	20
Magnesium, Total	6010D	1960	2000	98	1950	2000	97	80-120	<1	20
Manganese, Total	6010D	484	500	97	482	500	96	80-120	<1	20
Potassium, Total	6010D	19700	20000	98	19600	20000	98	80-120	<1	20
Sodium, Total	6010D	20900	20000	105	20800	20000	104	80-120	<1	20



General Chemistry

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: R2411878-MB1

Service Request: R2411878
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	11/24/24 05:59	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	11/27/24 12:34	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	12/07/24 23:09	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	11/25/24 10:55	
Chloride	300.0	0.20 U	mg/L	0.20	1	11/20/24 15:07	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	11/20/24 15:07	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	11/27/24 01:37	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	11/21/24 15:33	
Sulfate	300.0	0.20 U	mg/L	0.20	1	11/20/24 15:07	
Turbidity	180.1	0.10 U	NTU	0.10	1	11/20/24 16:35	

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Analytical Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2411878-MB2

Service Request: R2411878
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	11/24/24 15:39	

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24
Date Received: 11/20/24
Date Analyzed: 12/8/24

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC), Average

Sample Name: RW-A (MILLER)
Lab Code: R2411878-001
Analysis Method: 9060A

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2411878-001MS			Duplicate Matrix Spike R2411878-001DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Carbon, Total Organic (TOC), Average	1.0 U	24.6	25.0	99	24.8	25.0	99	48-135	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request:R2411878
Date Collected:11/18/24
Date Received:11/20/24
Date Analyzed:11/20/24

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: RW-C (DAVIS)
Lab Code: R2411878-004

Units:mg/L
Basis:NA

Analyte Name	Method	Sample Result	Result	Matrix Spike R2411878-004MS			Duplicate Matrix Spike R2411878-004DMS			% Rec Limits	RPD	RPD Limit
				Spike Amount	% Rec	Result	Spike Amount	% Rec				
Chloride	300.0	4.2	24.4	20.0	101	24.3	20.0	100	90-110	<1	20	
Nitrate as Nitrogen	300.0	1.0 U	9.6	10.0	96	9.5	10.0	95	90-110	<1	20	
Sulfate	300.0	22.7	41.2	20.0	93	41.1	20.0	92	90-110	<1	20	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Collected: 11/18/24
Date Received: 11/20/24
Date Analyzed: 11/24/24

Replicate Sample Summary
General Chemistry Parameters

Sample Name: RW-A (MILLER)
Lab Code: R2411878-001

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2411878-001DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	65.7	64.4	65.0	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Analytic
Project: Analytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Analyzed: 11/20/24 - 12/07/24

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2411878-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	25.8	25.0	103	80-120
Ammonia as Nitrogen, undistilled	350.1	0.252	0.250	101	90-110
Carbon, Total Organic (TOC), Average	9060A	24.8	25.0	99	80-121
Chemical Oxygen Demand, Total	Hach 8000 (1979)	49.4	50.0	99	90-110
Chloride	300.0	2.00	2.00	100	90-110
Nitrate as Nitrogen	300.0	0.97	1.00	97	90-110
Phenolics, Total Recoverable	9066	0.00951	0.0100	95	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	896	914	98	90-110
Sulfate	300.0	1.93	2.00	96	90-110

ALS Group USA, Corp.
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QA/QC Report

Client: Enalytic
Project: Enalytic - Residential
Sample Matrix: Water

Service Request: R2411878
Date Analyzed: 11/24/24

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample

R2411878-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	26.3	25.0	105	80-120



December 11, 2024

Service Request No:R2411908

Anthony Scala
Enalytic
6034 Corporate Drive E
Syracuse, NY 13057

Laboratory Results for: Enalytic-Annual Landfill Wells

Dear Anthony,

Enclosed are the results of the sample(s) submitted to our laboratory November 20, 2024
For your reference, these analyses have been assigned our service request number **R2411908**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

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Narrative Documents

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Client: Analytic
Project: Analytic-Annual Landfill Wells
Sample Matrix: Water

Service Request: R2411908
Date Received: 11/20/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Ten water samples were received for analysis at ALS Environmental on 11/20/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Metals:

When analyzed without dilution, the concentration of one or more elements in one or more samples exceeded the associated single element interference check concentration. As per section 9.9.1 of EPA 6010D, affected samples were diluted to reduce the solution concentration of the high concentration element below the interference check concentration, whether or not the high concentration element was an analyte of interest. The dilution has increased the reporting limits accordingly.

General Chemistry:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 624, R2411908-002: Sample(s) required dilution due to the presence of sulfur dioxide (non-target) at a high concentration. The reporting limits are adjusted to reflect the dilution.

Field:

No significant anomalies were noted with this analysis.

Approved by _____

Date 12/11/2024



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-5S		Lab ID: R2411908-001				
Analyte	Results	Flag	MDL	MRL	Units	Method
1,4-Dioxane	2.4			0.20	ug/L	8270E SIM
Alkalinity, Total as CaCO3	537			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.303			0.050	mg/L	350.1
Calcium, Total	373000			5000	ug/L	6010D
Carbon, Total Organic (TOC), Average	4.0			1.0	mg/L	9060A
Chemical Oxygen Demand, Total	7.3			5.0	mg/L	Hach 8000 (1979)
Chloride	14.8			2.0	mg/L	300.0
Conductivity, Field	990				uMHOS/cm	120.1
Hardness, Total as CaCO3	1450			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	111000			500	ug/L	6010D
Lead, Total	26.3			5.0	ug/L	6010D
Magnesium, Total	125000			1000	ug/L	6010D
Manganese, Total	4590			10	ug/L	6010D
Oxidation-Reduction Potential (ORP), Field	-41.4				mV	ASTM D1498-00
Oxygen, Dissolved	0.48			0.20	mg/L	SM 4500-O G
pH, Field	7.83				pH Units	SM 4500-H+ B
Potassium, Total	36500			2000	ug/L	6010D
Sodium, Total	12200			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	563			10	mg/L	SM 2540 C-2015
Sulfate	12.9			2.0	mg/L	300.0
Temperature, Field	9.70				deg C	SM 2550 B
Turbidity	3100			10	NTU	180.1

CLIENT ID: MW-5D		Lab ID: R2411908-002				
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	529			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	8.8			2.5	mg/L	350.1
Calcium, Total	407000			5000	ug/L	6010D
Carbon, Total Organic (TOC), Average	59.0			4.0	mg/L	9060A
Chemical Oxygen Demand, Total	362			5.0	mg/L	Hach 8000 (1979)
Chloride	94.0			2.0	mg/L	300.0
Conductivity, Field	220				uMHOS/cm	120.1
Hardness, Total as CaCO3	1100			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	1900			100	ug/L	6010D
Magnesium, Total	19500			1000	ug/L	6010D
Manganese, Total	93			10	ug/L	6010D
Oxidation-Reduction Potential (ORP), Field	-31.0				mV	ASTM D1498-00



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-5D	Lab ID: R2411908-002
-------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Oxygen, Dissolved	0.33			0.20	mg/L	SM 4500-O G
pH, Field	7.54				pH Units	SM 4500-H+ B
Phenolics, Total Recoverable	0.0981			0.0050	mg/L	9066
Potassium, Total	54000			10000	ug/L	6010D
Sodium, Total	65100			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	1780			17	mg/L	SM 2540 C-2015
Sulfate	657			20	mg/L	300.0
Temperature, Field	10.70				deg C	SM 2550 B
Turbidity	74			1.0	NTU	180.1

CLIENT ID: MW-6S	Lab ID: R2411908-003
-------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	328			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	73300			1000	ug/L	6010D
Chloride	14.5			2.0	mg/L	300.0
Conductivity, Field	740				uMHOS/cm	120.1
Hardness, Total as CaCO3	454			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	6930			100	ug/L	6010D
Magnesium, Total	65700			1000	ug/L	6010D
Manganese, Total	264			10	ug/L	6010D
Nitrate as Nitrogen	8.3			1.0	mg/L	300.0
Oxidation-Reduction Potential (ORP), Field	-54.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.45			0.20	mg/L	SM 4500-O G
pH, Field	7.98				pH Units	SM 4500-H+ B
Potassium, Total	4300			2000	ug/L	6010D
Sodium, Total	4600			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	409			10	mg/L	SM 2540 C-2015
Sulfate	33.4			2.0	mg/L	300.0
Temperature, Field	9.60				deg C	SM 2550 B
Turbidity	230			1.0	NTU	180.1

CLIENT ID: MW-8S	Lab ID: R2411908-004
-------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	573			2.0	mg/L	SM 2320 B-1997 (2011)
Calcium, Total	150000			2000	ug/L	6010D
Carbon, Total Organic (TOC), Average	1.9			1.0	mg/L	9060A
Chemical Oxygen Demand, Total	8.3			5.0	mg/L	Hach 8000 (1979)
Chloride	5.8			2.0	mg/L	300.0



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-8S		Lab ID: R2411908-004				
Analyte	Results	Flag	MDL	MRL	Units	Method
Conductivity, Field	990				uMHOS/cm	120.1
Hardness, Total as CaCO3	528			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	600			200	ug/L	6010D
Magnesium, Total	37100			2000	ug/L	6010D
Manganese, Total	10900			20	ug/L	6010D
Nitrate as Nitrogen	1.0			1.0	mg/L	300.0
Oxidation-Reduction Potential (ORP), Field	-23.0				mV	ASTM D1498-00
Oxygen, Dissolved	0.48			0.20	mg/L	SM 4500-O G
pH, Field	7.48				pH Units	SM 4500-H+ B
Potassium, Total	6100			4000	ug/L	6010D
Sodium, Total	10800			2000	ug/L	6010D
Solids, Total Dissolved (TDS)	574			10	mg/L	SM 2540 C-2015
Sulfate	6.4			2.0	mg/L	300.0
Temperature, Field	9.80				deg C	SM 2550 B
Turbidity	17			0.10	NTU	180.1

CLIENT ID: MW-8D		Lab ID: R2411908-005				
Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	175			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.129			0.050	mg/L	350.1
Calcium, Total	306000			5000	ug/L	6010D
Chemical Oxygen Demand, Total	7.6			5.0	mg/L	Hach 8000 (1979)
Chloride	57.0			2.0	mg/L	300.0
Conductivity, Field	1780				uMHOS/cm	120.1
Hardness, Total as CaCO3	838			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	680			100	ug/L	6010D
Magnesium, Total	18000			1000	ug/L	6010D
Manganese, Total	118			10	ug/L	6010D
Nitrate as Nitrogen	2.2			1.0	mg/L	300.0
Oxidation-Reduction Potential (ORP), Field	-33.6				mV	ASTM D1498-00
Oxygen, Dissolved	0.55			0.20	mg/L	SM 4500-O G
pH, Field	7.60				pH Units	SM 4500-H+ B
Potassium, Total	48500			2000	ug/L	6010D
Sodium, Total	47000			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	1450			13	mg/L	SM 2540 C-2015
Sulfate	749			20	mg/L	300.0
Temperature, Field	9.60				deg C	SM 2550 B
Turbidity	17			0.10	NTU	180.1



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-8D	Lab ID: R2411908-005
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CLIENT ID: MW-9S	Lab ID: R2411908-006
-------------------------	-----------------------------

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	269			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.177			0.050	mg/L	350.1
Calcium, Total	459000			3000	ug/L	6010D
Carbon, Total Organic (TOC), Average	2.0			1.0	mg/L	9060A
Chemical Oxygen Demand, Total	36.3			5.0	mg/L	Hach 8000 (1979)
Chloride	76.4			2.0	mg/L	300.0
Conductivity, Field	790				uMHOS/cm	120.1
Hardness, Total as CaCO3	1880			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	185000			300	ug/L	6010D
Lead, Total	41			15	ug/L	6010D
Magnesium, Total	177000			3000	ug/L	6010D
Manganese, Total	3040			30	ug/L	6010D
Oxidation-Reduction Potential (ORP), Field	-66.5				mV	ASTM D1498-00
Oxygen, Dissolved	0.48			0.20	mg/L	SM 4500-O G
pH, Field	8.98				pH Units	SM 4500-H+ B
Potassium, Total	64200			6000	ug/L	6010D
Sodium, Total	42600			3000	ug/L	6010D
Solids, Total Dissolved (TDS)	429			10	mg/L	SM 2540 C-2015
Sulfate	41.9			2.0	mg/L	300.0
Temperature, Field	11.80				deg C	SM 2550 B
Turbidity	3200			10	NTU	180.1

CLIENT ID: MW-9D	Lab ID: R2411908-007
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	148			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	4.22			0.50	mg/L	350.1
Calcium, Total	493000			3000	ug/L	6010D
Carbon, Total Organic (TOC), Average	3.8			1.0	mg/L	9060A
Chemical Oxygen Demand, Total	8.0			5.0	mg/L	Hach 8000 (1979)
Chloride	197			6.0	mg/L	300.0
Conductivity, Field	300				uMHOS/cm	120.1
Hardness, Total as CaCO3	1320			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	5390			300	ug/L	6010D
Magnesium, Total	21600			3000	ug/L	6010D
Manganese, Total	83			30	ug/L	6010D
Oxidation-Reduction Potential (ORP), Field	-59.5				mV	ASTM D1498-00



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-9D	Lab ID: R2411908-007					
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Analyte	Results	Flag	MDL	MRL	Units	Method
Oxygen, Dissolved	0.52			0.20	mg/L	SM 4500-O G
pH, Field	8.06				pH Units	SM 4500-H+ B
Potassium, Total	68800			6000	ug/L	6010D
Sodium, Total	114000			3000	ug/L	6010D
Solids, Total Dissolved (TDS)	2480			17	mg/L	SM 2540 C-2015
Sulfate	1340			60	mg/L	300.0
Temperature, Field	10.90				deg C	SM 2550 B
Turbidity	68			1.0	NTU	180.1

CLIENT ID: MW-X	Lab ID: R2411908-008					
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Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	150			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	4.23			0.50	mg/L	350.1
Calcium, Total	501000			3000	ug/L	6010D
Carbon, Total Organic (TOC), Average	2.3			1.0	mg/L	9060A
Chemical Oxygen Demand, Total	6.6			5.0	mg/L	Hach 8000 (1979)
Chloride	209			8.0	mg/L	300.0
Hardness, Total as CaCO3	1340			6.62	mg/L	SM 2340 B-1997 (2011)
Iron, Total	5890			300	ug/L	6010D
Magnesium, Total	22000			3000	ug/L	6010D
Manganese, Total	85			30	ug/L	6010D
Potassium, Total	69900			6000	ug/L	6010D
Sodium, Total	115000			3000	ug/L	6010D
Solids, Total Dissolved (TDS)	2490			20	mg/L	SM 2540 C-2015
Sulfate	1310			40	mg/L	300.0
Turbidity	53			1.0	NTU	180.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Enalytic
Project: Enalytic-Annual Landfill Wells

Service Request:R2411908

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2411908-001	MW-5S	11/19/2024	0950
R2411908-002	MW-5D	11/19/2024	1020
R2411908-003	MW-6S	11/19/2024	1100
R2411908-004	MW-8S	11/19/2024	0910
R2411908-005	MW-8D	11/19/2024	0920
R2411908-006	MW-9S	11/19/2024	0830
R2411908-007	MW-9D	11/19/2024	0740
R2411908-008	MW-X	11/19/2024	0740
R2411908-010	Trip Blank	11/19/2024	



Chain of Custody / Analytical Request Form

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

SR#: _____
Page 1 of 1

Report To:

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER

- 0. None
- 1. HCl
- 2. HNO3
- 3. H2SO4
- 4. NaOH
- 5. Zn Acet.
- 6. MeOH
- 7. NaHSO4
- 8. Other

Company: Analytic, LLC
 Contact: Carole Scala
 email: Carole@Analytic.com
 Phone: 315-437-0255
 Address: Analytic, LLC
 P. O. Box 289,
 Syracuse, NY 13206

Project Name: Analytic - Annual Landfill Wells
 Project Number:
 ALC Quote #: _____
 Sampler's Signature: *Brian Nichols*
 Email: Tony.Scala@Analytic.com
 Email: ZionEnvironmental@gmail.com

Status Samples Collected (Circle or Write): New York

Sample Collection Information:

Lab ID (ALS)	Sample ID:	Date	Time	Matrix	Number of Containers	Preservative	Alkalinity / 250ml Plastic	Ammonia, COD / 250 ml Plastic	Nitrate, TDS, Sulfate, Chloride / 250 ml	Phenol, TOC / 250 ml Amber (Wide)	Turbidity / 125ml Plastic	Total Metals: Cd, Ca, Fe, Pb, Mg, Mn, K, Na, Hardness Calc. / 125ml	624 Method / 40 ml Glass Vial	1633 PFAS / 250 ml Plastic	8270D SIM 1,4-Dioxane / 250 ml Amber Glass	Notes:	
MMW-55		11/19/24	9:50A	GW	12		1	1	1	1	1	1	1	2	1		
MMW-5D		11/19/24	10:20	GW	12		1	1	1	1	1	1	1	2	1		
MMW-6S		11/19/24	11:00	GW	12		1	1	1	1	1	1	1	2	1		
MMW-8D				GW	9		1	1	1	1	1	1	1	1	1		
MMW-8S		11/19/24	9:10	GW	9		1	1	1	1	1	1	1	3			
MMW-8D		11/19/24	9:20	GW	9		1	1	1	1	1	1	1	3			
MMW-9S		11/19/24	8:30	GW	9		1	1	1	1	1	1	1	3			
MMW-9D		11/19/24	7:40	GW	9		1	1	1	1	1	1	1	3			
MMW-X (DUPE)	on well MMW-9D	11/19/24	7:40	GW	12		1	1	1	1	1	1	1	2	1		
	Equipment PFAS Field Blank	11/19/24	7:00	GW	12		1	1	1	1	1	1	1	2	1		
	Trip Blank	11/19/24		LAB													

Special Instructions / Comments:

NO Samples on MW-6D.

Turnaround Requirements
 Rush (Surcharges Apply)
 Subject to Availability
 Please Check with your PM
 X Standard (10 Business Days)
 Date Required: _____

Report Requirements
 Tier I/Cat A - Results/QC
 VNA / VNA Report List: TCL • BTEX • TCP • Metals: RCRA 8-PP, 13-PA, 23-TCU, Other (list)

Report w/ 353.2 NO2 ; OP04 ; 300 NO3 / NO3 Sulfide
 RES Cl : DO ; Ferrrous Iron ; Sulfide ; UV 254 ; CHL A
 Color Turbidity ; Set Solids

Relinquished By: *Brian Nichols* Received By: *Ms. [Signature]*
 Relinquished By: _____ Received By: _____

Signature: *Brian Nichols*
 Printed Name: Brian Nichols
 Company: Zion Environmental
 Date/Time: 11/19/24 @ 12:00

Relinquished By: _____ Received By: _____
 Relinquished By: _____ Received By: _____

Page 11 of 143

Email: **R2411908** 5
 Analytic - Annual Landfill Wells


Appendix E

Landfill Gas Sampling



Town of Van Buren Landfill (CLOSED) Gas Vent Survey Log

Logged By:	Brian Nichols
Temperature (°F)/Weather:	52 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
11/18/2024	GV-1	ND	
11/18/2024	GV-2	ND	
11/18/2024	GV-3	ND	
11/18/2024	GV-4	ND	
11/18/2024	GV-5	ND	
11/18/2024	GV-6	5,276	
11/18/2024	GV-7	1,423	
11/18/2024	GV-8	ND	
11/18/2024	GV-9	> 10,000	
11/18/2024	GV-10	ND	
11/18/2024	GV-11	6,128	
11/18/2024	GV-12	374	
11/18/2024	GV-13	ND	
11/18/2024	GV-14	> 10,000	
11/18/2024	GV-15	7,685	
11/18/2024	GV-16	ND	
11/18/2024	GV-17	ND	
11/18/2024	GV-18	5,842	
11/18/2024	GV-19	ND	
11/18/2024	GV-20	ND	
11/18/2024	GV-21	ND	
11/18/2024	GV-22	ND	
11/18/2024	GV-23	7,328	
11/18/2024	GV-24	624	
11/18/2024	GV-25	ND	
11/18/2024	GV-26	ND	
11/18/2024	GV-27	342	
11/18/2024	GV-28	ND	
11/18/2024	GV-29	ND	
11/18/2024	GV-30	ND	

Notes:	ND = Not Detected
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**Town of Van Buren Landfill (CLOSED)
Gas Point Survey Log**

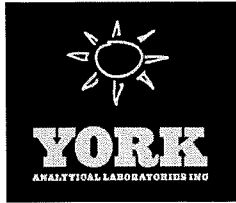
Logged By:	Brian Nichols
Temperature (°F)/Weather:	60 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
11/19/2024	GP-1	ND	
11/19/2024	GP-2	ND	
11/19/2024	GP-3	ND	
11/19/2024	GP-4	ND	
11/19/2024	GP-5	ND	
11/19/2024	GP-6	ND	
11/19/2024	GP-7	ND	
11/19/2024	GP-8	ND	
11/19/2024	GP-9	ND	
11/19/2024	GP-10	ND	
11/19/2024	GP-11	ND	
11/19/2024	GP-12	ND	
11/19/2024	GP-13	ND	
11/19/2024	GP-14	ND	
11/19/2024	GP-15	ND	
11/19/2024	GP-16	ND	
11/19/2024	GP-17	ND	
11/19/2024	GP-18	ND	
11/19/2024	GP-19	ND	
11/19/2024	GP-20	ND	
11/19/2024	GP-21	ND	
11/19/2024	GP-22	ND	
11/19/2024	GP-23	ND	
11/19/2024	GP-24	ND	
11/19/2024	GP-25	ND	
11/19/2024	GP-26	ND	
11/19/2024	GP-27	ND	
11/19/2024	GP-28	ND	
11/19/2024	GP-29	ND	
11/19/2024	GP-30	ND	
11/19/2024	GP-31	ND	
11/19/2024	GP-32	ND	
11/19/2024	GP-33	ND	
11/19/2024	GP-34	ND	
11/19/2024	GP-35	ND	
11/19/2024	GP-36	ND	
11/19/2024	GP-37	ND	
11/19/2024	GP-38	ND	
11/19/2024	GP-39	ND	
11/19/2024	GP-40	ND	

Notes:	ND = Not Detected
---------------	-------------------

Appendix F

PFA's Sampling



Technical Report

prepared for:

ALS Environmental
1565 Jefferson Road
Rochester NY, 14623
Attention: Meghan Pedro

Report Date: 12/04/2024
Client Project ID: R2411908
York Project (SDG) No.: 24K1669

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 12/04/2024
Client Project ID: R2411908
York Project (SDG) No.: 24K1669

ALS Environmental
1565 Jefferson Road
Rochester NY, 14623
Attention: Meghan Pedro

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 22, 2024 and listed below. The project was identified as your project: **R2411908**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

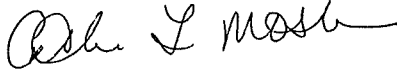
Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24K1669-01	MW-5S	Water	11/19/2024	11/22/2024
24K1669-02	MW-5D	Water	11/19/2024	11/22/2024
24K1669-03	MW-6S	Water	11/19/2024	11/22/2024
24K1669-04	MW-X	Water	11/19/2024	11/22/2024
24K1669-05	Field Blank	Water	11/19/2024	11/22/2024

General Notes for York Project (SDG) No.: 24K1669

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 12/04/2024





Sample Information

Client Sample ID: MW-5S

York Sample ID: 24K1669-01

York Project (SDG) No.
24K1669

Client Project ID
R2411908

Matrix
Water

Collection Date/Time
November 19, 2024 9:50 am

Date Received
11/22/2024

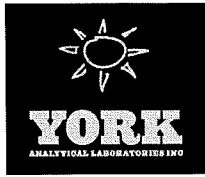
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.71	J	ng/L	0.856	3.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	2.41	J	ng/L	0.637	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.66	J	ng/L	1.29	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.80	J	ng/L	1.24	3.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	7.46		ng/L	0.765	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	14.5		ng/L	1.49	3.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.947	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.37	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.06	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.60	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.35	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.26	3.64	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.44	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
2991-50-6	N-EtFOSAA	3.98		ng/L	1.88	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.09	J	ng/L	0.419	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.60	3.64	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.66	3.48	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.40	3.51	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	13.7	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.73	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	4.02	J	ng/L	0.601	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.910	6.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:13	ESJ



Sample Information

Client Sample ID: MW-5S

York Sample ID: 24K1669-01

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 9:50 am	<u>Date Received</u> 11/22/2024
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PFAS, EPA 1633 Target List

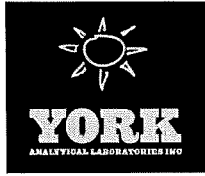
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxahепanoic acid (NFDHA)	ND		ng/L	3.90	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:13	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.455	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:13	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.674	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:13	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.38	3.42	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.26	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.88	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.51	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.27	13.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
919005-14-4	ADONA	ND		ng/L	0.965	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.69	3.53	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.57	3.50	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:13	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	3.70	9.10	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.3	45.5	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.2	45.5	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.27	36.4	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.88	3.64	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.27	36.4	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.28	3.64	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:13	ESJ

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	111 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	113 %	25-150
13C4PFHFA	Surrogate: M4PFHFA	118 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	108 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	112 %	25-150
13C6PFDA	Surrogate: M6PFDA	74.0 %	25-150
13C7PFUNA	Surrogate: M7PFUDA	43.4 %	25-150



Sample Information

Client Sample ID: MW-5S

York Sample ID: 24K1669-01

York Project (SDG) No. 24K1669

Client Project ID R2411908

Matrix Water

Collection Date/Time November 19, 2024 9:50 am

Date Received 11/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various PFAS compounds like dodecanoic acid, butanoic acid, etc.

Sample Information

Client Sample ID: MW-5D

York Sample ID: 24K1669-02

York Project (SDG) No. 24K1669

Client Project ID R2411908

Matrix Water

Collection Date/Time November 19, 2024 10:20 am

Date Received 11/22/2024

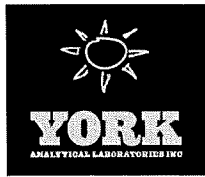
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Perfluorobutanesulfonic acid, Perfluorohexanoic acid, etc.



Sample Information

Client Sample ID: MW-5D

York Sample ID: 24K1669-02

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 10:20 am	<u>Date Received</u> 11/22/2024
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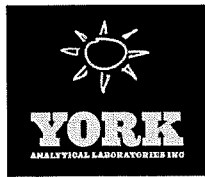
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	1.27	J	ng/L	0.776	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.52	3.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.961	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.39	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.09	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.63	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.37	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.28	3.70	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.46	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.90	3.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.10	J	ng/L	0.425	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.63	3.70	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.68	3.53	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.44	3.57	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	13.9	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.79	14.2	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	1.21	J	ng/L	0.610	14.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFBEESA)	ND		ng/L	0.924	6.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:29	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.96	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:29	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.462	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:29	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.684	7.39	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 21:29	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.40	3.48	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.31	13.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ



Sample Information

Client Sample ID: MW-5D

York Sample ID: 24K1669-02

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 10:20 am	<u>Date Received</u> 11/22/2024
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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.97	14.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.55	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.29	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
919005-14-4	ADONA	ND		ng/L	0.980	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.72	3.59	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.59	3.55	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 21:29	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	3.75	9.24	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.5	46.2	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.5	46.2	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
24448-09-7	* N-McFOSE	ND		ng/L	7.38	37.0	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
31506-32-8	* N-McFOSA	ND		ng/L	2.92	3.70	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.38	37.0	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.33	3.70	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 21:29	ESJ

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	108 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	128 %	25-150
13C4PFHPA	Surrogate: M4PFHPa	117 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	112 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	141 %	25-150
13C6PFDA	Surrogate: M6PFDA	110 %	25-150
13C7PFUNA	Surrogate: M7PFUda	126 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	116 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	98.5 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	104 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	118 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	132 %	25-150



Sample Information

Client Sample ID: MW-5D

York Sample ID: 24K1669-02

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 10:20 am	<u>Date Received</u> 11/22/2024
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PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	115 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	121 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	124 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	193 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	144 %			25-200						
13C9PFNA	Surrogate: M9PFNA	123 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	148 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	102 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	101 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	122 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	94.9 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	89.4 %			25-150						

Sample Information

Client Sample ID: MW-6S

York Sample ID: 24K1669-03

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 11:00 am	<u>Date Received</u> 11/22/2024
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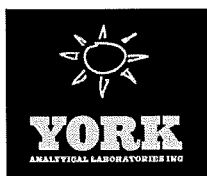
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	4.26	16.0	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	3.17	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	6.44	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	6.16	16.6	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	3.81	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	7.43	16.9	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	4.71	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	6.80	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	10.2	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH



Sample Information

Client Sample ID: MW-6S

York Sample ID: 24K1669-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24K1669

R2411908

Water

November 19, 2024 11:00 am

11/22/2024

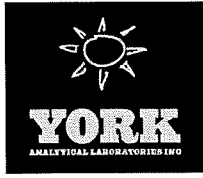
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	7.98	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	6.71	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	6.25	18.1	5	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
2355-31-9	N-MeFOSAA	ND		ng/L	7.16	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
2991-50-6	N-EtFOSAA	ND		ng/L	9.34	18.1	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.08	36.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	7.98	18.1	5	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	8.25	17.3	5	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	12.0	17.5	5	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	68.0	68.9	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	18.6	69.6	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.99	72.5	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	4.53	32.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/04/2024 12:55	KFH
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	19.4	36.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/04/2024 12:55	KFH
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	2.27	36.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/04/2024 12:55	KFH
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	3.35	36.3	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/04/2024 12:55	KFH
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	6.89	17.0	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	16.2	68.0	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	29.3	72.5	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
763051-92-9	11CL-PF3OUdS	ND		ng/L	12.5	68.5	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
756426-58-1	9CL-PF3ONS	ND		ng/L	6.35	67.8	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
919005-14-4	ADONA	ND		ng/L	4.80	68.5	5	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	8.43	17.6	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH



Sample Information

Client Sample ID: MW-6S

York Sample ID: 24K1669-03

<u>York Project (SDG) No.</u> 24K1669	<u>Client Project ID</u> R2411908	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 19, 2024 11:00 am	<u>Date Received</u> 11/22/2024
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PFAS, EPA 1633 Target List

Log-in Notes:

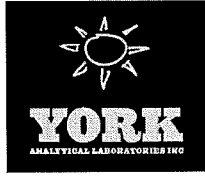
Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68259-12-1	* Perfluoro-1-nonananesulfonic acid (PFNS)	ND		ng/L	7.80	17.4	5	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/04/2024 12:55	KFH
356-02-5	* 3-Perfluoropropyl propanoic acid (FPiPA)	ND		ng/L	18.4	45.3	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	66.4	227	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	85.8	227	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
24448-09-7	* N-MeFOSE	ND		ng/L	36.2	181	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
31506-32-8	* N-MeFOSA	ND		ng/L	14.3	18.1	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
1691-99-2	* N-EtFOSE	ND		ng/L	36.2	181	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH
4151-50-2	* N-EtFOSA	ND		ng/L	16.3	18.1	5	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/04/2024 12:55	KFH

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	121 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	123 %	25-150
13C4PFHPA	Surrogate: M4PFHPa	144 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	145 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	133 %	25-150
13C6PFDA	Surrogate: M6PFDA	102 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	89.7 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	94.3 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	74.1 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	113 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	124 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	134 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	126 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	106 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	109 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	192 %	25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	130 %	25-200
13C9PFNA	Surrogate: M9PFNA	118 %	25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	198 %	25-150
936109-37-4	Surrogate: d-N-MeFOSA	145 %	25-150
936109-40-9	Surrogate: d-N-EtFOSA	120 %	25-150

PFSu-H



Sample Information

Client Sample ID: MW-6S

York Sample ID: 24K1669-03

York Project (SDG) No. 24K1669

Client Project ID R2411908

Matrix Water

Collection Date/Time November 19, 2024 11:00 am

Date Received 11/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include M3HFPO-DA, D9-NETPFOSA, and D7-NMEPFOSA.

Sample Information

Client Sample ID: MW-X

York Sample ID: 24K1669-04

York Project (SDG) No. 24K1669

Client Project ID R2411908

Matrix Water

Collection Date/Time November 19, 2024 7:40 am

Date Received 11/22/2024

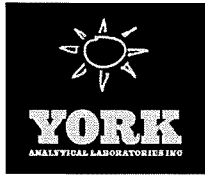
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various perfluorinated acids like PFBS, PFHxA, PFHpA, PFHxS, PFOA, PFOS, PFNA, PFDA, PFUnA, PFDoA, PFTrDA, PFTA, N-MeFOSAA, N-EtFOSAA, and PFPeA.



Sample Information

Client Sample ID: MW-X

York Sample ID: 24K1669-04

York Project (SDG) No.
24K1669

Client Project ID
R2411908

Matrix
Water

Collection Date/Time
November 19, 2024 7:40 am

Date Received
11/22/2024

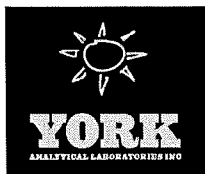
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.61	3.66	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.66	3.49	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.41	3.53	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	13.7	13.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.75	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.603	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.914	6.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 22:51	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.91	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 22:51	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.457	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 22:51	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.676	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 22:51	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.39	3.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.27	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.90	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.52	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.28	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
919005-14-4	ADONA	ND		ng/L	0.969	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.70	3.55	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.57	3.51	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 22:51	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPpPA)	ND		ng/L	3.71	9.14	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPpPA)	ND		ng/L	13.4	45.7	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.3	45.7	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.29	36.6	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.89	3.66	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ



Sample Information

Client Sample ID: MW-X

York Sample ID: 24K1669-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24K1669	R2411908	Water	November 19, 2024 7:40 am	11/22/2024

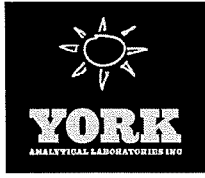
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	* N-EtFOSE	ND		ng/L	7.29	36.6	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.29	3.66	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 22:51	ESJ
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	119 %			25-150						
13C5PFHXA	Surrogate: M5PFHxA	124 %			25-150						
13C4PFHPA	Surrogate: M4PFHPa	139 %			25-150						
13C3PFHXS	Surrogate: M3PFHxS	116 %			25-150						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	125 %			25-150						
13C6PFDA	Surrogate: M6PFDA	132 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	138 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	146 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	171 %	PFSu-H		10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	67.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	101 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	120 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	100 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	108 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	105 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	256 %	PFSu-H		25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	134 %			25-200						
13C9PFNA	Surrogate: M9PFNA	116 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	177 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	102 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	110 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	137 %			25-150						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	95.6 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	89.8 %			25-150						



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1669-05

York Project (SDG) No. 24K1669 Client Project ID R2411908 Matrix Water Collection Date/Time November 19, 2024 7:00 am Date Received 11/22/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.859	3.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.640	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.30	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.24	3.34	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.768	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.50	3.40	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.950	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.37	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.07	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.61	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.35	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.26	3.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.44	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.88	3.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.420	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.61	3.65	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.66	3.49	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.41	3.53	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	13.7	13.9	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.75	14.0	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.603	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.914	6.51	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 23:07	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.91	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 23:07	ESJ



Sample Information

Client Sample ID: Field Blank

York Sample ID: 24K1669-05

York Project (SDG) No.
24K1669

Client Project ID
R2411908

Matrix
Water

Collection Date/Time
November 19, 2024 7:00 am

Date Received
11/22/2024

PFAS, EPA 1633 Target List

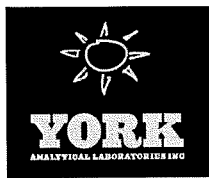
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.457	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 23:07	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.676	7.31	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	12/01/2024 10:28	12/02/2024 23:07	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.39	3.44	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.27	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.90	14.6	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.52	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.28	13.7	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
919005-14-4	ADONA	ND		ng/L	0.969	13.8	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.70	3.55	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.57	3.51	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	12/01/2024 10:28	12/02/2024 23:07	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	3.71	9.14	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.4	45.7	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.3	45.7	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.29	36.5	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
31506-32-8	* N-MeFOA	ND		ng/L	2.89	3.65	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.29	36.5	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ
4151-50-2	* N-EtFOA	ND		ng/L	3.29	3.65	1	EPA 1633 Draft 3 Certifications:	12/01/2024 10:28	12/02/2024 23:07	ESJ

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	109 %	25-150
13C5PFHXA	Surrogate: M5PFHxA	113 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	114 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	119 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	117 %	25-150
13C6PFDA	Surrogate: M6PFDA	101 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	112 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	114 %	25-150



Sample Information

Client Sample ID: Field Blank York Sample ID: 24K1669-05
 York Project (SDG) No. 24K1669 Client Project ID R2411908 Matrix Water Collection Date/Time November 19, 2024 7:00 am Date Received 11/22/2024

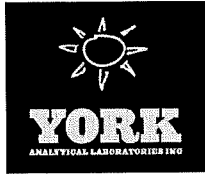
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTEDA	125 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	18.8 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	110 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	102 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	101 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	100 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	109 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	165 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	129 %			25-200						
13C9PFNA	Surrogate: M9PFNA	109 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	165 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	123 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	139 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	108 %			25-150						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	78.2 %			25-150						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	76.6 %			25-150						



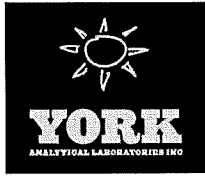
Analytical Batch Summary

Batch ID: BL40007

Preparation Method: EPA 1633 Prep

Prepared By: SAB

YORK Sample ID	Client Sample ID	Preparation Date
24K1669-01	MW-5S	12/01/24
24K1669-02	MW-5D	12/01/24
24K1669-03	MW-6S	12/01/24
24K1669-04	MW-X	12/01/24
24K1669-05	Field Blank	12/01/24
BL40007-BLK1	Blank	12/01/24
BL40007-BS1	LCS	12/01/24
BL40007-BS2	LCS	12/01/24



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

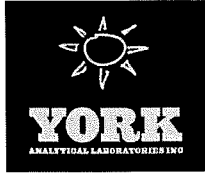
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL40007 - EPA 1633 Prep

Blank (BL40007-BLK1)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	29.7		"	23.3		127	25-150				
Surrogate: M5PFHxA	29.0		"	25.0		116	25-150				
Surrogate: M4PFHpA	30.5		"	25.0		122	25-150				
Surrogate: M3PFHxS	31.9		"	23.7		134	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFPA)	30.1		"	25.0		120	25-150				
Surrogate: M6PFDA	13.4		"	12.5		107	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit

Batch BL40007 - EPA 1633 Prep

Blank (BL40007-BLK1)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Surrogate: M7PFUdA	13.5		ng/L	12.5	108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	17.2		"	12.5	138	25-150				
Surrogate: M2PFTeDA	15.1		"	12.5	121	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	15.0		"	100	15.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	27.1		"	24.0	113	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	54.4		"	50.0	109	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.8		"	25.0	107	10-150				
Surrogate: d3-N-MeFOSAA	54.2		"	50.0	108	25-150				
Surrogate: d5-N-EtFOSAA	53.5		"	50.0	107	25-150				
Surrogate: M2-6:2 FTS	46.6		"	47.6	97.9	25-200				
Surrogate: M2-8:2 FTS	66.7		"	48.0	139	25-200				
Surrogate: M9PFNA	13.1		"	12.5	104	25-150				
Surrogate: M2-4:2 FTS	23.2		"	46.9	49.4	25-150				
Surrogate: d-N-MeFOSA	25.6		"	25.0	102	25-150				
Surrogate: d-N-EtFOSA	25.5		"	25.0	102	25-150				
Surrogate: M3HFPO-DA	133		"	100	133	25-150				
Surrogate: d9-N-EtFOSE	267		"	250	107	25-150				
Surrogate: d7-N-MeFOSE	304		"	250	122	25-150				

LCS (BL40007-BS1)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Perfluorobutanesulfonic acid (PFBS)	35.5	1.77	ng/L	35.4	100	50-150				
Perfluorohexanoic acid (PFHxA)	35.1	2.00	"	40.0	87.8	50-150				
Perfluoroheptanoic acid (PFHpA)	42.0	2.00	"	40.0	105	50-150				
Perfluorohexanesulfonic acid (PFHxS)	36.0	1.83	"	36.6	98.5	50-150				
Perfluorooctanoic acid (PFOA)	37.0	2.00	"	40.0	92.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	36.5	1.86	"	37.2	98.0	50-150				
Perfluorononanoic acid (PFNA)	44.6	2.00	"	40.0	112	50-150				
Perfluorodecanoic acid (PFDA)	37.0	2.00	"	40.0	92.5	50-150				
Perfluoroundecanoic acid (PFUnA)	41.1	2.00	"	40.0	103	50-150				
Perfluorododecanoic acid (PFDoA)	45.0	2.00	"	40.0	113	50-150				
Perfluorotridecanoic acid (PFTriDA)	36.5	2.00	"	40.0	91.3	50-150				
Perfluorotetradecanoic acid (PFTA)	36.3	2.00	"	40.0	90.7	50-150				
N-MeFOSAA	34.8	2.00	"	40.0	87.1	50-150				
N-EtFOSAA	38.6	2.00	"	40.0	96.5	50-150				
Perfluoropentanoic acid (PFPeA)	75.7	4.00	"	80.0	94.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.4	2.00	"	40.0	103	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	34.8	1.91	"	38.2	91.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.1	1.93	"	38.6	93.6	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	124	7.60	"	152	81.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	141	7.68	"	154	91.9	50-150				
Perfluoro-n-butanoic acid (PFBA)	148	8.00	"	160	92.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	62.9	3.56	"	71.2	88.4	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	66.3	4.00	"	80.0	82.9	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	36.1	4.00	"	80.0	45.1	50-150			Low Bias	
Perfluoro-5-oxahexanoic acid (PFMBA)	81.9	4.00	"	80.0	102	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit

Batch BL40007 - EPA 1633 Prep

LCS (BL40007-BS1)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Perfluoro-1-pentanesulfonate (PFPeS)	37.3	1.88	ng/L	37.6	99.1	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	151	7.50	"	150	101	50-150				
HFPO-DA (Gen-X)	76.2	8.00	"	80.0	95.3	50-150				
11CL-PF3OUdS	56.8	7.56	"	75.6	75.1	50-150				
9CL-PF3ONS	61.7	7.48	"	74.8	82.5	50-150				
ADONA	59.9	7.56	"	75.6	79.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	33.6	1.94	"	38.8	86.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.1	1.92	"	38.4	104	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	139	5.00	"	160	86.9	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	767	25.0	"	800	95.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	708	25.0	"	800	88.5	50-150				
N-MeFOSE	413	20.0	"	400	103	50-150				
N-MeFOSA	32.4	2.00	"	40.0	81.1	50-150				
N-EtFOSE	373	20.0	"	400	93.2	50-150				
N-EtFOSA	34.2	2.00	"	40.0	85.6	50-150				
Surrogate: M3PFBS	26.0		"	23.3	112	25-150				
Surrogate: M5PFHxA	26.8		"	25.0	107	25-150				
Surrogate: M4PFHpA	28.4		"	25.0	114	25-150				
Surrogate: M3PFHxS	28.9		"	23.7	122	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	30.2		"	25.0	121	25-150				
Surrogate: M6PFDA	13.3		"	12.5	106	25-150				
Surrogate: M7PFUdA	16.2		"	12.5	130	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.6		"	12.5	125	25-150				
Surrogate: M2PFTeDA	17.6		"	12.5	141	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.1		"	100	23.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.5		"	24.0	111	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	52.8		"	50.0	106	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.4		"	25.0	109	10-150				
Surrogate: d3-N-MeFOSAA	57.6		"	50.0	115	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	50.0	114	25-150				
Surrogate: M2-6:2 FTS	49.1		"	47.6	103	25-200				
Surrogate: M2-8:2 FTS	62.2		"	48.0	130	25-200				
Surrogate: M9PFNA	11.9		"	12.5	95.5	25-150				
Surrogate: M2-4:2 FTS	25.1		"	46.9	53.6	25-150				
Surrogate: d-N-MeFOSA	29.4		"	25.0	117	25-150				
Surrogate: d-N-EtFOSA	27.1		"	25.0	108	25-150				
Surrogate: M3HFPO-DA	132		"	100	132	25-150				
Surrogate: d9-N-EtFOSE	268		"	250	107	25-150				
Surrogate: d7-N-MeFOSE	313		"	250	125	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit

Batch BL40007 - EPA 1633 Prep

LCS (BL40007-BS2)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Perfluorobutanesulfonic acid (PFBS)	3.69	1.77	ng/L	3.54	104	50-150				
Perfluorohexanoic acid (PFHxA)	3.72	2.00	"	4.00	93.0	50-150				
Perfluoroheptanoic acid (PFHpA)	3.94	2.00	"	4.00	98.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.12	1.83	"	3.66	113	50-150				
Perfluorooctanoic acid (PFOA)	3.53	2.00	"	4.00	88.3	50-150				
Perfluorooctanesulfonic acid (PFOS)	4.89	1.86	"	3.72	131	50-150				
Perfluorononanoic acid (PFNA)	4.50	2.00	"	4.00	112	50-150				
Perfluorodecanoic acid (PFDA)	3.85	2.00	"	4.00	96.3	50-150				
Perfluoroundecanoic acid (PFUnA)	4.42	2.00	"	4.00	111	50-150				
Perfluorododecanoic acid (PFDoA)	3.54	2.00	"	4.00	88.6	50-150				
Perfluorotridecanoic acid (PFTrDA)	3.79	2.00	"	4.00	94.7	50-150				
Perfluorotetradecanoic acid (PFTA)	3.31	2.00	"	4.00	82.7	50-150				
N-MeFOSAA	3.49	2.00	"	4.00	87.3	50-150				
N-EtFOSAA	4.12	2.00	"	4.00	103	50-150				
Perfluoropentanoic acid (PFPeA)	7.12	4.00	"	8.00	89.0	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.08	2.00	"	4.00	102	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.20	1.91	"	3.82	83.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.87	1.93	"	3.86	74.4	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.0	7.60	"	15.2	85.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.0	7.68	"	15.4	97.7	50-150				
Perfluoro-n-butanoic acid (PFBA)	11.3	8.00	"	16.0	70.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.16	3.56	"	7.12	86.5	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	5.67	4.00	"	8.00	70.9	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.959	4.00	"	8.00	12.0	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.87	4.00	"	8.00	123	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.32	1.88	"	3.76	115	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.2	7.50	"	15.0	108	50-150				
HFPO-DA (Gen-X)	6.42	8.00	"	8.00	80.3	50-150				
11CL-PF3OUdS	5.72	7.56	"	7.56	75.7	50-150				
9CL-PF3ONS	6.46	7.48	"	7.48	86.4	50-150				
ADONA	6.14	7.56	"	7.56	81.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	3.34	1.94	"	3.88	86.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.14	1.92	"	3.84	108	50-150				
3-Perfluoropropyl propanoic acid (FPpPA)	9.60	5.00	"	16.0	60.0	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	73.0	25.0	"	80.0	91.2	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	66.8	25.0	"	80.0	83.5	50-150				
N-MeFOSE	44.7	20.0	"	40.0	112	50-150				
N-MeFOSA	3.46	2.00	"	4.00	86.6	50-150				
N-EtFOSE	31.4	20.0	"	40.0	78.4	50-150				
N-EtFOSA	3.52	2.00	"	4.00	87.9	50-150				
Surrogate: M3PFBS	28.6		"	23.3	123	25-150				
Surrogate: M5PFHxA	30.6		"	25.0	122	25-150				
Surrogate: M4PFHpA	34.5		"	25.0	138	25-150				
Surrogate: M3PFHxS	31.3		"	23.7	132	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	31.1		"	25.0	124	25-150				
Surrogate: M6PFDA	13.9		"	12.5	111	25-150				
Surrogate: M7PFUDA	15.9		"	12.5	127	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BL40007 - EPA 1633 Prep

LCS (BL40007-BS2)

Prepared: 12/01/2024 Analyzed: 12/02/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	17.5		ng/L	12.5		140	25-150				
Surrogate: M2PFTeDA	17.6		"	12.5		141	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.06		"	100		3.06	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.5		"	24.0		111	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.0		"	50.0		84.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.1		"	25.0		112	10-150				
Surrogate: d3-N-MeFOSAA	56.7		"	50.0		113	25-150				
Surrogate: d5-N-EtFOSAA	54.8		"	50.0		110	25-150				
Surrogate: M2-6:2 FTS	50.3		"	47.6		106	25-200				
Surrogate: M2-8:2 FTS	60.2		"	48.0		126	25-200				
Surrogate: M9PFNA	14.4		"	12.5		115	25-150				
Surrogate: M2-4:2 FTS	24.4		"	46.9		52.0	25-150				
Surrogate: d-N-MeFOSA	27.6		"	25.0		110	25-150				
Surrogate: d-N-EtFOSA	27.0		"	25.0		108	25-150				
Surrogate: M3HFPO-DA	142		"	100		142	25-150				
Surrogate: d9-N-EtFOSE	259		"	250		104	25-150				
Surrogate: d7-N-MeFOSE	282		"	250		113	25-150				





Sample and Data Qualifiers Relating to This Work Order

- PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
- PFSu-H The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

- * Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

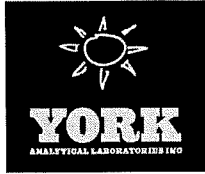
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

ALS Environmental Chain of Custody


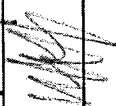
1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Meghan Pedro

24K1669

Project Number: R2411908
 Project Manager: Meghan Pedro
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample			Lab ID	PFAS 1633final
				Date	Time	Lab ID		
R2411908-001	MW-5S	2	Water	11/19/24	0950	York RichmondHill	X	
R2411908-002	MW-5D	2	Water	11/19/24	1020	York RichmondHill	X	
R2411908-003	MW-6S	2	Water	11/19/24	1100	York RichmondHill	X	
R2411908-008	MW-X	2	Water	11/19/24	0740	York RichmondHill	X	
R2411908-009	Field Blank	1	Water	11/19/24	0700	York RichmondHill	X	

Special Instructions/Comments	Turnaround Requirements RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 12/06/24	Report Requirements I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/1 <u> N </u> EDD <u> N </u>	Invoice Information
			PO# 58R2411908 Bill to
H - Test is On Hold P - Test is Authorized for Prep Only		Relinquished By:  Received By:  11/24/24 1030 4.3 Airbill Number: _____	



Town of Van Buren

Kingdom Road Landfill (Closed)

Environmental Monitoring Report

2025 Second Quarter

Town of Van Buren
7575 Van Buren Road
Baldwinsville, NY 13027

Sample Collection Information

Sampling Firm: Enalytic, LLC
Sampling Date(s): June 23, 2025
Sampling Locations: (See Appendix A)

Monitoring Wells	Overburden	Bedrock
Upgradient	MW-6S	MW-6D
Downgradient	MW-5S	MW-5D
	MW-8S	MW-8-D
	MW-9S	MW-9D
Residential Wells		
Downgradient	RW- A (Miller) RW- B (Nolan) RW- C (Davis)	

Sample Testing

Laboratory: ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, New York 14623
NYSDOH I.D. # 10145

York Analytical Laboratories
132-02 89th Avenue
Richmond Hill, NY 11418
NYSDOH I.D. # 12058

2013 Parameters Tested: -All monitoring well locations were analyzed for 1988
NYSDEC Part 360 baseline Parameters.

-All residential locations were analyzed for 1988
NYSDEC Part 360 Baseline Parameters with additional
analysis for EPA 601/602 parameters.

Annual Sampling Schedule:

Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
2022	-	-*	-	B
2025	-	R	-	-*
2024	-	-*	-	R
2025	-	R	-	-*
2026	-	-*	-	R
2027	-	B	-	-*

Notes:

R = 1988 NYSDEC Part 360 Routine Parameters

B = 1988 NYSDEC Part 360 Baseline Parameters

- = Sampling not required

* = Residential monitoring still required bi-annually for 1988 NYSDEC Part 360 Routine Parameters with additional analysis for EPA Method 601/602 parameters and Baseline Parameter during baseline monitoring events.

Assessment of Monitoring Results

Introduction

This report represents the results of environmental monitoring performed during the second quarter 2025 for the closed Town of Van Buren Landfill, Onondaga County, New York. It should be noted that the monitoring frequency was granted a reduction in a NYSDEC letter dated March 14, 2006 from a bi-annual to an annual frequency. Residential locations are still required to be sampled bi-annually. The environmental monitoring points at the closed landfill facility consist of four groundwater monitoring wells screened in the underlying bedrock unit (MW-5D, MW-6D, MW-8D, and MW-9D) and three residential wells (RW-A, RW-B, and RW-C).

Environmental monitoring activities at the Town of Van Buren Landfill were performed in accordance with the NYSDEC- approved Post-Closure Monitoring and Maintenance Manual prepared by Clough, Harbour & Associates (1995) and associated monitoring reduction letter request (Barton & Loguidice, P.C., March 2006). A field sampling team from Analytic Laboratories, LLC., of Syracuse, New York, was responsible for the collection of landfill gas and groundwater samples during the second quarter 2025, and ALS Environmental was responsible for the laboratory analyses of these samples.

A Remedial Investigation/Feasibility Study (RI/FS) was previously completed at the time of the landfill closure to evaluate the need for potential site remediation activities and to determine the level of frequency of post-closure monitoring that would be required. Previous rounds of sampling conducted during the RI revealed that the contaminants of concern in the site groundwater as iron, manganese, barium, and arsenic. As recommended in the RI/FS report, the Town of Van Buren Landfill was capped in accordance with the remedial design outlined in the RI/FS and applicable 6 NYCRR Part 360 Regulations.

Eight (8) monitoring wells and three (3) residential wells constitute the groundwater monitoring well network at the closed landfill facility. As depicted on the attached site plan, the eight (8) monitoring wells were installed in couplets at a single upgradient location (MW-6S/MW-6D), and three (3) downgradient locations (MW-5S/MW-5D, MW-8S/MW-8D, and MW-9S/MW-9D).

The monitoring wells are distinguished within each cluster with the suffixes S and D indicating shallow and deep, respectively. All shallow wells (S) are screened in the overburden glacial till unit with ten (10) foot long screens and range in a depth from approximately 22 to 45 feet below ground surface (bgs). The deep wells (D) are completed in the underlying shale bedrock unit and range in depth from 66 to 100 feet bgs. The bedrock monitoring wells were constructed with 20-foot long screen sections, with the exception of MW-5D, which has ten (10) foot long screen section.

The three (3) residential wells that are sampled on a biannual basis are located downgradient of the landfill and are completely in the underlying bedrock aquifer. The groundwater samples from these wells are designated as RW-A, RW-B, and RW-C, and are collected from the Miller, Nolan, and Davis residences, respectively.

The Town submitted analytical data to NYSDEC as part of the Emerging Contaminant Initiative in September 2019. Based on this data, NYSDEC requested that PFAS sampling be included in conjunction with landfill groundwater sampling events. The laboratory results, performed by York Environmental Laboratories, are included in Appendix F.

Groundwater (Overburden)

The 2025 groundwater quality results for the overburden deposits at the Town of Van Buren Landfill are summarized in the tables included in Appendix D. These tables also present the historical overburden groundwater sampling results for comparison purposes. Water quality results for the overburden deposits at the landfill site are evaluated by the results from

the three (3) downgradient monitoring wells (MW-5S, MW-8S, and MW-9S) to the up-gradient monitoring well (MW-6S) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceed water quality standards during the second quarter 2025 sampling event. As discussed below, the overburden groundwater quality results for the second quarter 2025 are generally consistent with historical levels.

The three monitoring locations (MW-5S, MW-8S, and MW-9S), which represent downgradient water quality for the overburden unit, were noted for exceeding parameters above Part 703 groundwater standards including total dissolved solids, turbidity, and total metals (iron, magnesium, manganese, and sodium). A listing of exceedances at each location is included in Table 1. The overburden unit water quality reported for the second quarter 2025 monitoring event appears to be consistent with historical results. Continued monitoring of the overburden unit will allow further assessments to be made regarding the positive impact of the landfill capping system on overburden water quality at the site.

Groundwater (Bedrock)

The 2025 groundwater quality results for the bedrock unit are summarized in the tables contained in Appendix D. The tables in Appendix D also present historical bedrock groundwater quality data for comparison purposes. Water quality results for the bedrock unit are evaluated by comparing the results from the three (3) downgradient monitoring wells (MW- 5D, MW-8D, and MW-9D) to the upgradient monitoring well (MW-6D) and to applicable water quality standards. Table 1 summarizes the monitoring well locations and parameters that exceeded the applicable water quality standards during the 2025 second quarter monitoring event.

The three monitoring locations (MW- 5D, MW-8D, and MW-9D), which represent downgradient water quality for the bedrock unit, were noted for exceeding parameters above Part 703 groundwater standards including ammonia, sulfate, total dissolved solids, turbidity and total metals: iron and sodium.

The bedrock groundwater quality concentrations reported for the 2025 monitoring event have remained consistent with prior sampling rounds (see Appendix D). Continued monitoring of the water quality in the bedrock unit will allow further assessment to be made regarding the influence of the landfill capping system on the downgradient water quality at the site.

Leachate Seeps

The leachate seep locations which were initially sampled and tested during the First Quarter of 1996 were observed to be dry during the second quarter of 2025 and therefore no samples were collected. The previously analyzed samples collected from the leachate seep locations revealed only slight elevated parameter concentrations and were therefore considered to be of little concern or impact to the surrounding environment.

The past occurrence of leachate seeps appears to be related to the seasonally high water table that historically occurs during the early spring and fall at the Town of Van Buren Landfill site. The leachate seep locations will be checked for flow during future landfill site inspections but will likely not be sampled again unless a substantial difference in their physical appearance or flow is documented.

Landfill Gas

Explosive gas surveys were conducted by Analytic Laboratories personnel at the closed Town of Van Buren Landfill to verify that decomposition gases generated by the landfill are being adequately controlled by the gas venting system. Gas readings were taken around the perimeter of the landfill using a Methane Gas Detector Model FD-90E. Explosive gas readings were collected by inserting a probe attached to the gas meter into a small diameter probe hole advanced approximately one (1) foot below ground surface. If any of the observed gas readings exceeded 25% of the lower explosive limit (L.E.L.) of methane, three (3) additional offset probe holes would have been installed as follows: 25 feet from the original sample location in a direction away from the waste mass ("A" offset), 25 feet towards the previous perimeter

explosive gas survey point ("B" offset), and 25 feet in the direction towards the next perimeter explosive gas survey point ("C" offset).

No off-set explosive gas survey points were necessary during the monitoring period as there was no detection of landfill gas at any of the explosive gas survey points. Explosive gas levels were also taken at each landfill gas vent to ensure they were functioning properly. The approximate locations of the explosive gas survey points are shown on the site map included in Appendix A and the results are included in Appendix E.

Residential Wells

The three off-site residential wells included in the environmental monitoring program are installed within the bedrock aquifer and situated downgradient of the closed landfill site. The residential water well sample locations are designated as RW-A (Miller), RW-B (Nolan), and RW-C (Davis), respectively. Each of the residences is equipped with a sediment filter, water softener and reverse osmosis' water filtration system to treat excess amount of total and dissolved metals present in the bedrock aquifer unit. In addition, the Miller residence is also equipped with a carbon filtration system to treat the presence of low level volatile organic compounds (VOCs). The water treatment systems are maintained by the Town of Van Buren through a contract with a certified water quality treatment company. The residential water well samples are always collected post-treatment to ensure that the above referenced water treatment systems are functioning properly.

During the second quarter monitoring event, the water quality at all three residential locations was generally comparable to historical data. The water treatment systems at all three residences were replaced in April 2017 due to the age of the prior systems and frequency of maintenance required.

PFAS

The Town submitted analytical data to NYSDEC as part of the Emerging Contaminant Initiative in September 2019. Based on this data, NYSDEC requested that PFAS sampling be included in conjunction with landfill groundwater sampling events. The laboratory results are included in Appendix F. A summary of the detections is included in the table below.

PFAS Detection										
Monitoring	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFOS	PFNA	PFPeA	PFBA	1,4-Dioxane
Well	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ug/L)
6S	---	---	---	---	---	---	---	---	---	0.12
5S	1.02	1.45	1.27	1.67	5.56	22.7	0.675	1.64	4.72	0.93
5D	---	---	---	---	---	---	---	---	---	0.09
9D	---	---	---	---	---	---	0.469	0.897	---	0.11

Quality Control

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. Defining acceptance limits for QC measurements associated with all reported data controls these data qualities. The second quarter data sample was scheduled to be collected at monitoring location MW-9D.

Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement (i.e., 20%) between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Precision was calculated as:

$$RPD = \frac{(D)}{(R)} \times 100$$

RPD = Relative Percent Difference

D = Difference between 2 measurements

M = mean of 2 measurements

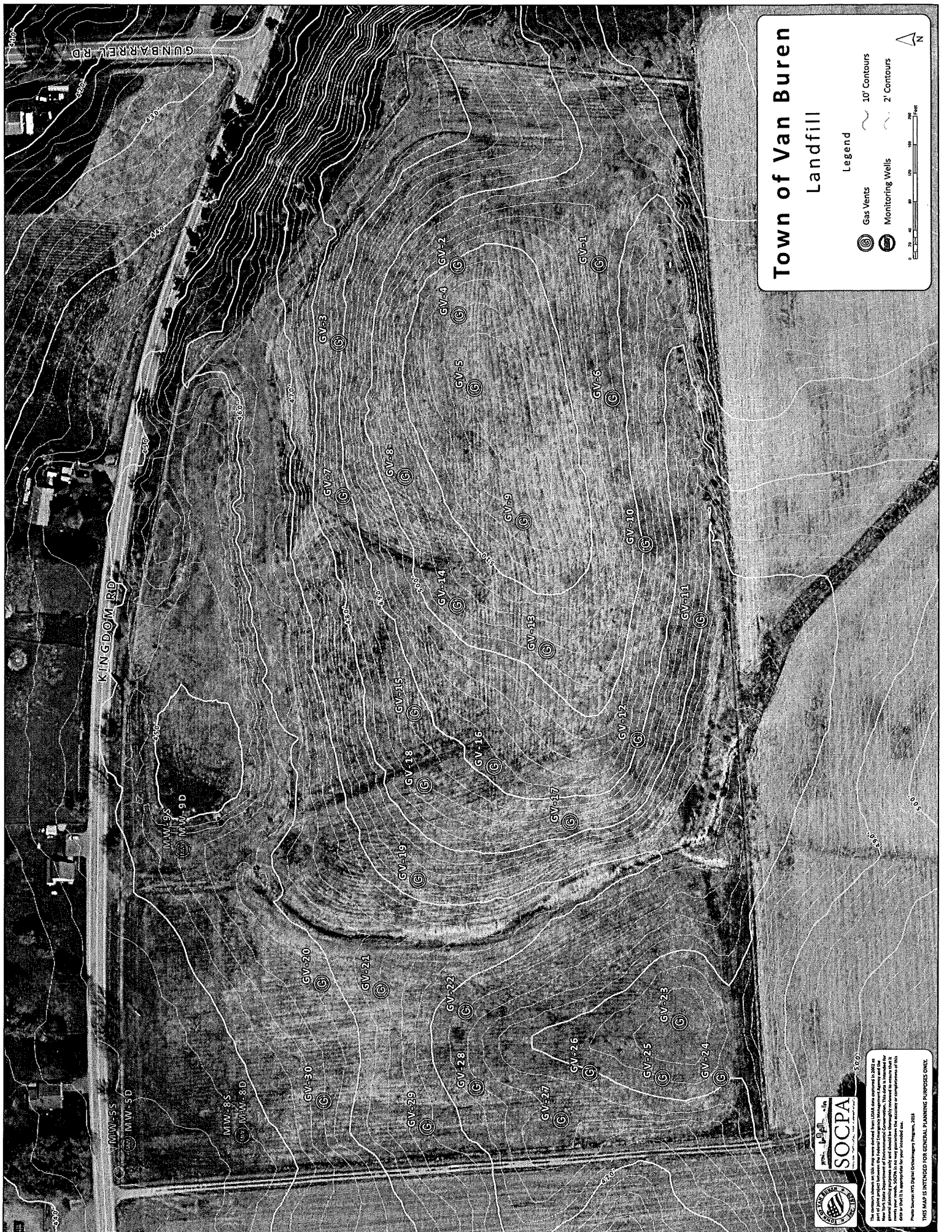
The number of RPD discrepancies has improved compared to previous comparisons since the laboratory reviewed field collection procedures. The RPD exceeded the 20% threshold for turbidity.

**TOWN OF VAN BUREN LANDFILL (CLOSED)
TABLE 1 - GROUNDWATER STANDARDS EXCEEDED**

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	MONITORING WELL LOCATIONS											
		OVERBURDEN						BEDROCK					
		MW-5S Second Quarter	MW-6S Second Quarter	MW-8S Second Quarter	MW-9S Second Quarter	MW-5D Second Quarter	MW-6D Second Quarter	MW-8D Second Quarter	MW-9D Second Quarter				
Ammonia- Nitrogen	2.0 mg/L	---	---	---	---	3.5	---	---	---	---	---	---	---
Sulfate	250 mg/L	---	---	---	---	501	---	---	---	---	757	---	1270
Total Dissolved Solids	500 mg/L	460	---	---	420	1890	---	---	---	---	1430	---	2240
Turbidity	5 NTU	340	86	---	32	340	---	---	---	---	---	---	---
Iron- T -D	0.3 mg/L	3.3	2.1	---	0.7	3.2	---	---	---	---	---	---	2.2
Magnesium - T -D	[35] mg/L	---	61	32	---	---	---	---	---	---	---	---	---
Manganese - T -D	0.3 mg/L	---	---	1.3	---	---	---	---	---	---	---	---	---
Sodium - T -D	20 mg/L	---	---	---	38	64	---	---	---	---	43	---	113

Appendix A

Landfill Map



Town of Van Buren Landfill

Legend

- ⊙ Gas Vents
- ~ 10' Contours
- ~ 2' Contours

0 20 40 60 80 100 Feet

The contours shown on this map were derived from LIDAR data acquired in 2002 by the New York State Department of Environmental Conservation. This data is intended for use in the design and construction of the landfill. The contours are not intended to be used for any other purpose. SOCPA is not responsible for the accuracy or completeness of the data or that it is appropriate for your intended use.

Photo Source: IPT Digital Orthophoto Program, 2003

THIS MAP IS INTENDED FOR GENERAL PLANNING PURPOSES ONLY.

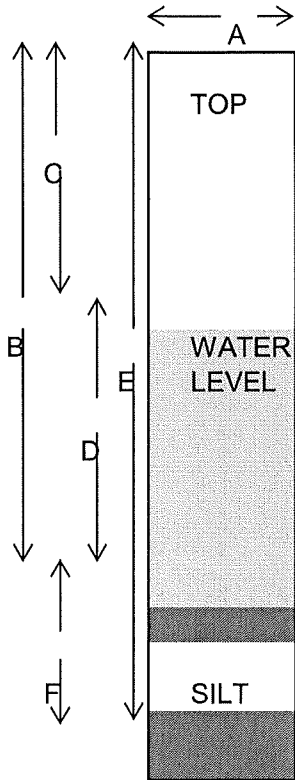
Appendix B

Field Data

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>96.20</u>	feet
C.	Depth to Water (TOC)	<u>37.11</u>	feet
D.	Length of Water Column (calculated)	<u>59.09</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.45</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>28.36</u>	gallons
	Actual Volume Evacuated	<u>15</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>1000</u>
ORP	<u>-0.1</u>
Temperature	<u>12.6</u>
pH	<u>7.00</u>
Specific Cond.	<u>270</u>
Turbidity (NTU)	<u>1.2</u>
Dissolved Oxygen	<u>0.22</u>
Appearance	<u>Clear, some small black particles</u>

Initial Depth to Water
37.11 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.
 Observations: Performed Duplicate Sample and PFAS

Enalytic LLC

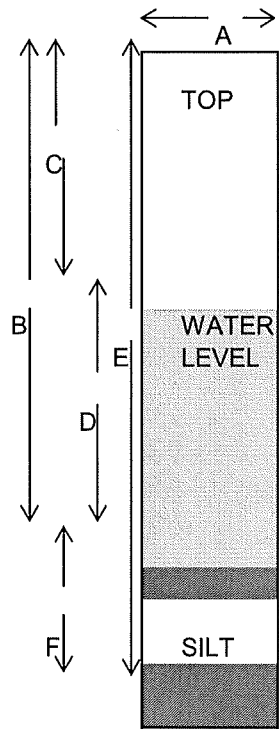
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-9S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.40</u>	feet
C.	Depth to Water (TOC)	<u>28.55</u>	feet
D.	Length of Water Column (calc.)	<u>11.85</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.9</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.69</u>	gallons
	Actual Volume Evacuated	<u>6</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Sampling
Date	<u>6/23/2025</u>
Time	<u>930</u>
ORP	<u>-15.9</u>
Temperature	<u>12.8</u>
pH	<u>7.28</u>
Specific Cond.	<u>780</u>
Turbidity (NTU)	<u>32</u>
Dissolved Oxygen	<u>0.25</u>
Appearance	<u>Slight redish brown in color, cloudy</u>

Initial Depth to Water
28.55 Feet

Sampler: Brian Nichols
 Felicia Nichols

Signature: *Brian Nichols*
Felicia Nichols

Weather: Hot, 90 deg.
 Observations:

Enalytic LLC

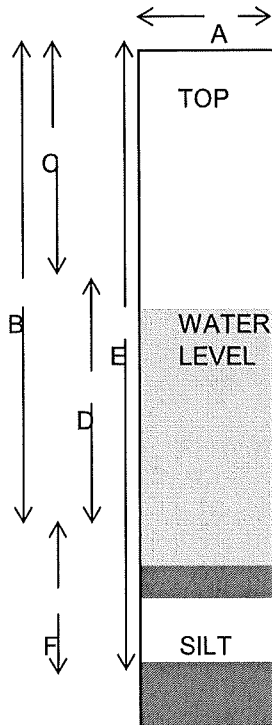
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-8D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>94.40</u>	feet
C.	Depth to Water (TOC)	<u>37.70</u>	feet
D.	Length of Water Column (calculated)	<u>56.70</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>9.07</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>27.22</u>	gallons
	Actual Volume Evacuated	<u>13</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>730</u>
ORP	<u>-0.8</u>
Temperature	<u>12.3</u>
pH	<u>7.03</u>
Specific Cond.	<u>1,580</u>
Turbidity (NTU)	<u>0</u>
Dissolved Oxygen	<u>0.25</u>
Appearance	<u>Clear</u>

Initial Depth to Water
37.70 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.
 Observations: _____

Analytic LLC

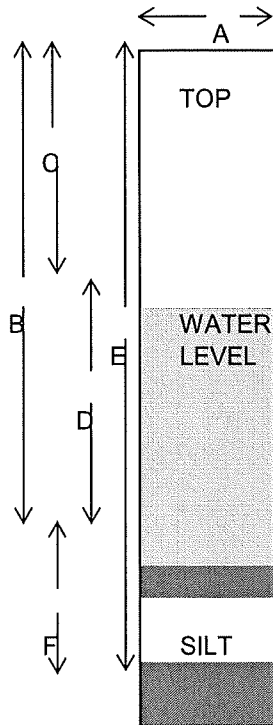
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: Van Buren Landfill
 Well ID.: MW-8S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>39.60</u>	feet
C.	Depth to Water (TOC)	<u>32.94</u>	feet
D.	Length of Water Column (calculated)	<u>6.66</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.07</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>3.20</u>	gallons
	Actual Volume Evacuated	<u>4.0</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>700</u>
ORP	<u>0.2</u>
Temperature	<u>12.2</u>
pH	<u>7.00</u>
Specific Cond.	<u>840</u>
Turbidity (NTU)	<u>3.2</u>
Dissolved Oxygen	<u>0.24</u>
Appearance	<u>Clear, some small black particles</u>

Initial Depth to Water

32.94 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.
 Observations:

Enalytic LLC

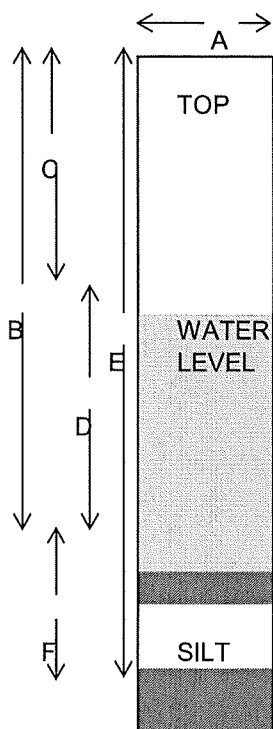
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>75.50</u>	feet
C.	Depth to Water (TOC)	<u>30.27</u>	feet
D.	Length of Water Column (calculated)	<u>45.23</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>7.24</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>21.71</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>845</u>
ORP	<u>-12.8</u>
Temperature	<u>12.5</u>
pH	<u>7.43</u>
Specific Cond.	<u>200</u>
Turbidity (NTU)	<u>65</u>
Dissolved Oxygen	<u>0.11</u>
Appearance	<u>Sulfur odors, cloudy, black particles</u>

Initial Depth to Water
30.27 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.

Observations: Performed MS/MSD, PFAS, and Dissolved Metals

Enalytic LLC

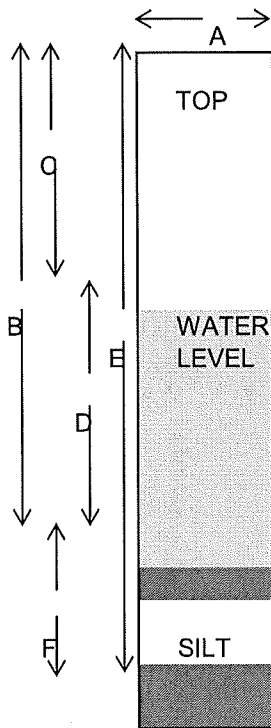
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-5S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.00</u>	feet
C.	Depth to Water (TOC)	<u>30.60</u>	feet
D.	Length of Water Column (calc.)	<u>9.40</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.5</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>4.51</u>	gallons
	Actual Volume Evacuated	<u>5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>800</u>
ORP	<u>19</u>
Temperature	<u>12.7</u>
pH	<u>6.67</u>
Specific Cond.	<u>810</u>
Turbidity (NTU)	<u>58</u>
Dissolved Oxygen	<u>0.09</u>
Appearance	<u>Redish brown in color, sulfur odors, turbid</u>

Initial Depth to Water
30.60 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.
 Observations: Performed PFAS and Dissolved Metals

Enalytic LLC

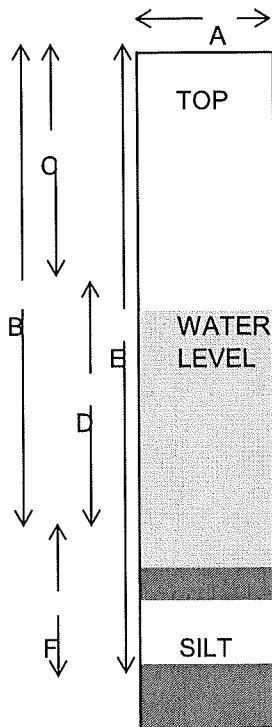
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6S

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>19.61</u>	feet
C.	Depth to Water (TOC)	<u>8.47</u>	feet
D.	Length of Water Column (calculated)	<u>11.14</u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u>1.78</u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u>5.35</u>	gallons
	Actual Volume Evacuated	<u>6</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date	<u>6/23/2025</u>
Time	<u>1030</u>
ORP	<u>-20.8</u>
Temperature	<u>12.1</u>
pH	<u>7.35</u>
Specific Cond.	<u>750</u>
Turbidity (NTU)	<u>42</u>
Dissolved Oxygen	<u>0.25</u>
Appearance	<u>Cloudy, some small black particles</u>

Initial Depth to Water
8.47 Feet

Sampler: Brian Nichols
Felicia Nichols

Signature: Brian Nichols
Felicia Nichols

Weather: Hot, 90 deg.
 Observations: Performed PFAS

Enalytic LLC

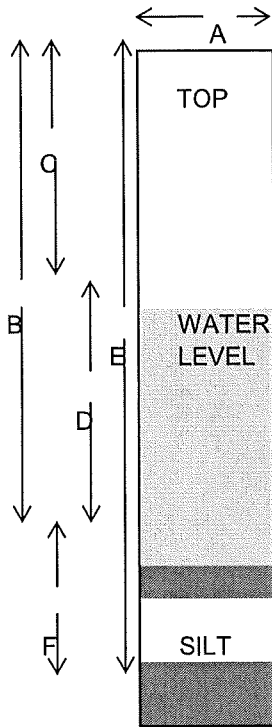
Ground water Field Log

File: TS-30-01 Revised: 11/2014

Client: Town Of Van Buren
 Project: VanBuren Landfill
 Well ID.: MW-6D

LAB ID No. (enter by lab)

Condition of Well: Good Locked: No
 Method of Evacuation: HDPE Bailer (New) Lock ID: None
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>62.60</u>	feet
C.	Depth to Water (TOC)	<u> </u>	feet
D.	Length of Water Column (calculated)	<u> </u>	feet
	Conversion Factor	<u>X .16</u>	-----
	Well Volume (calculated)	<u> </u>	gallons
	No. of Volumes to be Evacuated	<u>X 3</u>	-----
	Total Volume to be Evacuated	<u> </u>	gallons
	Actual Volume Evacuated	<u> </u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Sampling

Date _____
 Time _____
 ORP _____
 Temperature _____
 pH _____
 Specific Cond. _____
 Turbidity (NTU) _____
 Dissolved Oxygen _____
 Appearance _____

BLOCKAGE IN WELL

Initial Depth to Water
0 Feet

Sampler: Brian Nichols
 Felicia Nichols

Signature: *Brian Nichols*
Felicia Nichols

Weather: _____
 Observations: NO SAMPLE. UNABLE TO PULL OUT ROPE.

Analytic, LLC

FILE:TS-40-01 REVISED: 01/01

Tap Water / Surface Water / Wastewater Field Log

Client: Town of Van BurenSampler (print): Brian Nichols, Andrew OdellProject: Landfill ResidentsSignature: Brian NicholsDate: June 23, 2025Location RW--A (Miller)TIME SAMPLED 11:20pm Lab ID _____EH -22.7 mvWEATHER CONDITION: Hot, 90 deg.TEMPERATURE 12.3 cPH 7.33 STD.UNITSAPPEARANCE / OBSERVATIONS: Clear, no odorsSPEC. COND. 540 UMHOS/CM

Sample collected from the Kitchen Sink RO Tap.

TURBIDITY 0.10 NTUDIS.OXYGEN 0.28 MG/LLocation RW--A (Miller) InfluentTIME SAMPLED 11:30pm Lab ID _____EH -13.7 mvWEATHER CONDITION: Hot, 90 deg.TEMPERATURE 12.7 cPH 7.12 STD.UNITSAPPEARANCE / OBSERVATIONS: Slightly turbid, no odorsSPEC. COND. 220 UMHOS/CM

Sample collected from direct inlet in basement.

TURBIDITY 13 NTUDIS.OXYGEN 0.28 MG/LLocation RW-B (Nolan)TIME SAMPLED 12:00pm Lab ID _____EH -18.4WEATHER CONDITION: Hot, 90 deg.TEMPERATURE 12.3 cPH 7.27 STD.UNITSAPPEARANCE / OBSERVATIONS: Clear, no odorsSPEC. COND. 120 UMHOS/CM

Sample collected from the Kitchen Sink RO Tap.

TURBIDITY 0.45 NTUDIS.OXYGEN 0.30 MG/LLocation RW-C (Davis)

TIME SAMPLED _____ Lab ID _____

EH _____

WEATHER CONDITION: Hot, 90 deg.

TEMPERATURE _____ c

PH _____ STD.UNITS

APPEARANCE / OBSERVATIONS:

SPEC. COND. _____ UMHOS/CM

Sample collected from the Kitchen Sink RO Tap.

TURBIDITY _____ NTU

KNOCKED ON DOOR. CALLED, NO ANSWER

DIS.OXYGEN _____ MG/L

Appendix C

Historical Spreadsheets

ONONDAGA COUNTY
WATER QUALITY TEST DATA

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	15	5	-	-	500	250
MW-5S										
29-Mar-96	48	-75	6.5	1000	-	5	560	520	680	170
20-Jun-96	54	110	6.9	1000	110	2	290	490	700	38
5-Sep-96	61	-60	6.9	1000	-	2	580	600	770	31
12-Dec-96	48	-60	6.8	890	-	1	510	490	690	45
28-Mar-97	46	25	6.6	780	-	2	610	530	710	39
3-Jun-97	50	-10	6.5	1000	-	2	610	500	650	36
30-Sep-97	50	-10	6.7	1100	140	2	500	540	770	35
9-Dec-97	46	55	6.8	1300	-	1	560	560	720	32
30-Mar-98	55	-30	6.5	850	-	2	500	480	620	36
22-Oct-98	48	25	6.6	100	22	2	580	390	680	28
10-Jun-99	52	10	6.6	1050	23	1	640	530	600	25
7-Oct-99	48	0	6.7	1050	-	2	630	600	690	26
11-May-00	50	-15	6.2	1050	-	1	650	630	610	28
19-Oct-00	51	-40	7.2	862	250	39	630	610	620	21
6-Jun-01	56	-59	7.4	900	28	11	500	460	630	26
12-Nov-01	51	-15	7.4	786	-	65	480	-	670	26
31-May-02	53	-22	7.1	850	-	5	570	470	620	29
21-Nov-02	50	-3	6.5	768	22	65	590	490	590	23
16-May-03	54	-11	7.1	906	12	4	620	490	630	36
18-Dec-03	44	-25	7.5	653	-	3	630	560	660	25
27-May-04	51	-38	7.2	1218	-	54	510	470	650	29
14-Dec-04	46	-21	7.5	894	-	1	730	470	60	24
11-May-05	53	-8	7	1081	100	1	640	320	595	29
17-Nov-05	47	-25	6.7	1298	-	1	570	410	692	20
29-Dec-06	44	-27	6.7	1058	50	2	600	580	618	34
27-Jun-07	52	-43	6.7	522	-	2	490	490	653	28
31-Oct-08	50	-27	7.5	870	40	71	510	440	560	23
1-Jun-09	50	219	6.7	529	-	12	510	560	570	22
20-Oct-10	51	-49	8	708	-	58	220	230	471	6.3
15-Feb-11	49	-68	7.1	844	-	5	540	640	640	15
30-Jun-11	51	-80	7.0	1035	-	2	620	560	750	23
20-Dec-12	55	52	6.2	1030	-	19	550	670	610	15
6-Jun-13	55	-7	7.2	1091	-	2	568	374	646	20
28-Oct-14	54	-81	7.1	1105	-	55	433	596	604	21
6-May-15	54	-47	6.8	1049	-	32	549	1500	626	35
1-Nov-16	52	-75	7.1	1007	5	57	557	560	576	31
15-Jun-17	63	12	6.9	963	-	7	604	620	587	26
9-Oct-18	61	-31	6.7	976	-	15	546	680	534	27
12-Jun-19	56	-101	6.9	1026	5	379	544	800	516	24
3-Dec-20	55	-123	8.5	896	5	> 2000	827	---	533	20
23-Jun-21	54	-120	8.2	824	-	850	601	360	466	13
20-Dec-22	51	-21	7.3	843	8	> 2000	560	973	553	13
10-Jul-23	55	-23	7.4	881	-	> 2000	550	477	532	14
19-Nov-24	49	-41	7.8	990	-	> 2000	537	1450	563	15
23-Jun-25	55	-13	7.4	200	-	340	438	460	460	6

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-5S										
29-Mar-96	21	-	< 0.2	3.6	-	-	< 20	4	< 0.005	-
20-Jun-96	25	0.2	0.3	3.2	4.1	< 4	28	4	< 0.005	< 0.01
5-Sep-96	23	-	< 0.2	3.2	-	-	20	3	< 0.005	-
12-Dec-96	27	-	< 0.2	4	-	-	30	2	< 0.005	-
28-Mar-97	27	-	< 0.2	3.5	-	-	22	4	< 0.005	-
3-Jun-97	28	-	< 0.2	3.5	-	-	< 20	4	< 0.005	-
30-Sep-97	19	< 0.1	< 0.2	2.5	3.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	24	-	< 0.2	1.9	-	-	< 20	3	< 0.005	-
30-Mar-98	21	-	< 0.2	3.3	-	-	< 20	4	< 0.005	-
22-Oct-98	24	0.2	< 0.2	2.2	2.8	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	26	0.2	< 0.2	3.6	2.9	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	21	-	< 0.2	2.1	-	-	< 20	3	< 0.005	-
11-May-00	24	-	< 0.2	2.4	-	-	< 20	3	< 0.005	-
19-Oct-00	27	0.2	< 0.2	2.1	2	< 4	< 20	3	< 0.005	< 0.01
6-Jun-01	30	< 0.5	< 0.2	2.6	2.4	< 4	< 20	3	< 0.005	< 0.01
12-Nov-01	29	-	< 0.2	3.5	-	-	< 20	3	< 0.005	-
31-May-02	31	-	< 0.2	2.6	-	-	26	9	< 0.005	-
21-Nov-02	27	< 0.5	< 0.2	2.6	3	< 4	< 20	5	0.009	< 0.01
16-May-03	24	< 0.5	< 0.2	2.3	2.6	< 4	< 20	3	0.009	< 0.01
18-Dec-03	25	-	< 0.2	3.4	-	-	20	3	< 0.005	-
27-May-04	24	-	0.3	2.2	-	-	< 20	6	< 0.005	-
14-Dec-04	33	-	< 0.2	2.5	-	-	< 20	< 3	< 0.005	-
11-May-05	17	< 0.5	< 0.2	< 0.5	< 0.5	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	23	-	< 0.2	2	-	-	< 20	< 3	< 0.005	-
29-Dec-06	16	< 0.5	0.2	2.5	2.1	7	< 20	4	< 0.005	< 0.01
27-Jun-07	21	-	0.3	1.7	-	-	< 20	6	< 0.005	-
31-Oct-08	22	< 0.5	0.2	1.2	2.3	18	< 20	9	< 0.005	< 0.01
1-Jun-09	22	-	< 0.2	1.4	< 0.5	-	< 20	< 3	< 0.005	-
20-Oct-10	200	-	-	-	-	-	120	4.2	-	-
15-Feb-11	22	-	< 0.2	0.9	-	-	-	-	-	-
30-Jun-11	21	-	< 0.2	1.5	-	-	-	-	-	-
20-Dec-12	11	-	< 0.2	1.2	-	-	-	-	-	-
6-Jun-13	21	-	0.26	1.0	-	-	10	1.8	< 0.010	-
28-Oct-14	19.3	0.1	0.22	0.9	1.3	-	10	1.9	< 0.005	< 0.01
6-May-15	25	-	< 0.1	1.5	-	-	< 10	2.1	< 0.005	-
1-Nov-16	20	-	0.07	1.0	-	33	< 10	5.8	< 0.005	-
15-Jun-17	21	-	< 0.05	1.2	-	-	36	2.1	< 0.005	-
9-Oct-18	38	-	0.23	1.1	-	-	73	4.9	< 0.005	-
12-Jun-19	23.1	-	0.19	0.7	-	-	48	3.7	< 0.010	< 0.01
3-Dec-20	18	0.14	0.17	0.77	1.6	-	63	2.8	0.0055	< 0.01
23-Jun-21	12	-	< 0.25	0.9	-	-	< 10	2.2	0.0055	-
20-Dec-22	15	0.07	1.2	0.5	4.3	-	480	1.8	-	-
10-Jul-23	17	-	1.2	0.75	-	-	346	2.4	< 0.005	-
19-Nov-24	13	-	1.0	0.3	-	-	7.3	4.0	< 0.005	-
23-Jun-25	9	-	< 1	0.5	7	-	312	6.2	< 0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-5S											
29-Mar-96	–	–	0.009	0.5	–	< 0.005	160	–	–	–	9.1
20-Jun-96	0.1	< 0.003	0.008	0.5	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	8.9
5-Sep-96	–	–	0.008	0.5	–	< 0.005	180	–	–	–	11
12-Dec-96	–	–	0.009	0.5	–	< 0.005	150	–	–	–	9.1
28-Mar-97	–	–	0.011	0.4	–	0.01	160	–	–	–	9.7
3-Jun-97	–	–	0.01	0.4	–	< 0.005	150	–	–	–	9.6
30-Sep-97	< 0.05	< 0.003	0.01	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	9.4
9-Dec-97	–	–	0.009	0.4	–	< 0.005	170	–	–	–	7.8
30-Mar-98	–	–	0.01	0.5	–	0.005	150	–	–	–	8.7
22-Oct-98	0.11	< 0.003	0.007	0.5	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	8.6
10-Jun-99	0.09	< 0.003	0.008	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	0.02	7.7
7-Oct-99	–	–	–	–	–	0.005	180	–	–	–	8
11-May-00	–	–	–	–	–	< 0.005	190	–	–	–	8.2
19-Oct-00	0.08	< 0.003	0.008	0.5	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	7.5
6-Jun-01	0.23	< 0.003	0.035	0.4	< 0.005	< 0.005	140	< 0.02	< 0.01	< 0.02	13
12-Nov-01	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	6.5
31-May-02	–	–	0.013	0.4	–	< 0.005	140	–	–	–	6.5
21-Nov-02	0.09	< 0.003	< 0.010	0.4	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	5.1
16-May-03	0.15	< 0.003	0.013	0.4	< 0.005	0.006	150	< 0.05	< 0.01	< 0.02	5.6
18-Dec-03	–	–	0.015	0.5	–	< 0.005	170	–	–	–	5.7
27-May-04	–	–	0.012	0.4	–	< 0.005	140	–	–	–	5.7
14-Dec-04	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	5.2
11-May-05	< 0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	92	< 0.05	< 0.01	< 0.04	3.8
17-Nov-05	–	–	0.014	0.8	–	< 0.005	120	–	–	–	3.9
29-Dec-06	0.1	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	7.5
27-Jun-07	–	–	< 0.010	0.4	–	< 0.005	140	–	–	–	4.7
31-Oct-08	< 0.05	< 0.003	< 0.010	0.3	< 0.005	< 0.005	120	< 0.05	< 0.01	< 0.02	0.1
1-Jun-09	–	–	–	–	–	< 0.005	160	–	–	–	5.9
20-Oct-10	–	–	–	–	–	–	61	–	–	–	1.5
15-Feb-11	–	–	–	–	–	–	190	–	–	–	6.3
30-Jun-11	–	–	–	–	–	–	160	–	–	–	5.9
20-Dec-12	–	–	–	.41	–	–	200	–	–	–	5.5
6-Jun-13	–	–	–	–	–	< 0.005	150	–	–	–	4.9
28-Oct-14	–	–	0.01	0.4	–	–	173	–	–	–	4.9
6-May-15	–	–	–	–	–	< 0.005	180	–	–	–	4.5
1-Nov-16	–	–	–	0.35	< 0.005	< 0.0025	163	–	–	–	3.0
15-Jun-17	–	–	–	–	–	< 0.0025	175	–	–	–	7.4
9-Oct-18	–	–	–	–	–	< 0.0025	151	–	–	–	2.7
12-Jun-19	6.9	–	0.015	0.4	< 0.005	< 0.0025	200	0.015	–	0.035	2
3-Dec-20	24.8	< 0.06	0.028	0.6	< 0.005	< 0.0025	270	0.05	–	0.06	51.5
23-Jun-21	–	–	–	–	–	< 0.0025	132	–	–	–	0.96
20-Dec-22	36.5	–	–	0.7	–	–	363	0.06	–	0.08	67
10-Jul-23	–	–	–	–	–	< 0.0033	139	–	–	–	0.28
19-Nov-24	–	–	–	–	–	< 0.005	373	–	–	–	111
23-Jun-25	1	–	–	–	–	< 0.005	132	–	–	–	3.3

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	TI (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-5S											
29-Mar-96	0.004	30	1.2	< 0.0004	–	7.9	22	–	–	–	–
20-Jun-96	0.005	28	1.2	< 0.0004	< 0.03	6.6	22	0.002	< 0.05	< 0.003	0.01
5-Sep-96	0.002	37	1.4	< 0.0004	–	7	20	–	–	–	–
12-Dec-96	< 0.001	29	1.1	< 0.0004	–	7.3	24	–	–	–	–
28-Mar-97	< 0.001	32	1.2	< 0.0004	–	6.6	18	–	–	–	–
3-Jun-97	0.01	31	1.1	< 0.0004	–	5.7	21	–	–	–	–
30-Sep-97	< 0.001	34	1.1	< 0.0004	< 0.03	9.3	20	< 0.001	< 0.05	< 0.003	0.04
9-Dec-97	0.002	32	1.1	< 0.0004	–	11	23	–	–	–	–
30-Mar-98	0.01	26	0.96	< 0.0004	–	10	25	–	–	–	–
22-Oct-98	< 0.001	34	1.3	< 0.0004	0.05	9.2	16	0.001	< 0.05	< 0.003	0.01
10-Jun-99	0.002	32	1.1	< 0.0004	< 0.03	11	19	0.001	< 0.05	< 0.003	0.01
7-Oct-99	0.006	36	1.2	–	–	8.3	12	–	–	–	–
11-May-00	0.002	37	1.3	–	–	8.2	19	–	–	–	–
19-Oct-00	0.003	34	1.2	< 0.0004	0.06	8	13	< 0.001	< 0.05	0.028	< 0.01
6-Jun-01	< 0.001	28	0.78	< 0.0004	< 0.03	11	24	< 0.001	< 0.05	< 0.003	0.02
12-Nov-01	0.002	30	1.1	0.0006	–	8.5	13	–	–	–	–
31-May-02	< 0.001	30	1	< 0.0004	–	8.3	18	–	–	–	–
21-Nov-02	< 0.001	30	1	< 0.0004	< 0.03	7.7	11	< 0.005	< 0.05	< 0.003	0.01
16-May-03	0.001	30	0.89	< 0.0004	0.06	8.1	17	< 0.005	< 0.05	< 0.003	0.02
18-Dec-03	< 0.001	35	1.5	< 0.0004	–	9.2	15	–	–	–	–
27-May-04	0.003	30	0.91	< 0.0004	–	7.8	16	–	–	–	–
14-Dec-04	0.001	30	0.97	< 0.0004	–	8.5	13	–	–	–	–
11-May-05	< 0.001	21	0.7	< 0.0004	< 0.03	6.9	13	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	26	0.86	< 0.0004	–	5.8	8	–	–	–	–
29-Dec-06	< 0.003	38	1.3	< 0.0004	< 0.03	7.9	18	< 0.005	< 0.05	< 0.003	0.27
27-Jun-07	< 0.003	32	1.1	< 0.0004	–	7.8	16	–	–	–	–
31-Oct-08	< 0.003	36	0.1	< 0.0004	< 0.03	8.2	16	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	37	1.3	–	–	8.1	17	–	–	–	–
20-Oct-10	–	19	0.15	–	–	13	38	–	–	–	–
15-Feb-11	–	42	1.3	–	–	7.6	14	–	–	–	–
30-Jun-11	–	38	1.3	–	–	8.2	16	–	–	–	–
20-Dec-12	–	39	1.3	–	–	7.1	12	–	–	–	–
6-Jun-13	< 0.02	36	1.3	–	–	6.3	14	–	–	–	–
28-Oct-14	–	40	1.2	–	–	7.2	13	–	–	–	–
6-May-15	–	40	1.2	–	–	<5.0	18	–	–	–	–
1-Nov-16	–	37	1.5	–	–	7.5	16	–	–	–	–
15-Jun-17	< 0.005	40	3.7	–	–	8.9	15	–	–	–	–
9-Oct-18	< 0.005	34	11	–	–	6.3	13	–	–	–	–
12-Jun-19	< 0.005	50	2.1	–	0.051	14.5	18	–	–	–	0.04
3-Dec-20	0.018	76	3.0	–	0.16	15.4	13	–	–	–	0.1
23-Jun-21	< 0.005	29	0.7	–	–	5.1	8	–	–	–	–
20-Dec-22	0.028	102	4.1	–	–	21.9	10	–	–	–	.12
10-Jul-23	–	31	1.3	–	–	5.5	11	–	–	–	–
19-Nov-24	0.026	125	4.6	–	–	36.5	12	–	–	–	–
23-Jun-25	–	32	0.2	–	–	5.1	5.6	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

DISSOLVED METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-5S											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	—	—	—	—	—	—	—	—	—	—	—
5-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	—	—	—	—	—	—	—	—	—
22-Oct-98	—	—	—	—	—	—	—	—	—	—	—
10-Jun-99	—	—	—	—	—	—	—	—	—	—	—
7-Oct-99	—	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	—	—	—	—	—	—
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	—	—	—	—	—	—	—	—	—
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
15-Feb-11	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
20-Dec-12	—	—	—	—	—	—	—	—	—	—	—
6-Jun-13	—	—	—	—	—	—	—	—	—	—	—
28-Oct-14	—	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	—	—	—	—	—	—
1-Nov-16	—	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	—	—	—	—	—	—
9-Oct-18	—	—	—	—	—	—	—	—	—	—	—
12-Jun-19	6.7	—	0.014	0.43	—	< 0.0025	200	0.016	—	0.0035	20.2
3-Dec-20	1.0	< 0.06	< 0.01	0.362	< 0.005	< 0.0025	181	< 0.01	—	< 0.025	3.1
23-Jun-21	—	—	—	—	—	—	—	—	—	—	—
20-Dec-22	37	—	—	0.67	—	—	360	0.066	—	0.08	76
10-Jul-23	—	—	—	—	—	—	—	—	—	—	—
19-Nov-24	—	—	—	—	—	—	—	—	—	—	—
23-Jun-25	—	—	—	0.18	—	—	125	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

DISSOLVED METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-5S											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	—	—	—	—	—	—	—	—	—	—	—
5-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	—	—	—	—	—	—	—	—	—
22-Oct-98	—	—	—	—	—	—	—	—	—	—	—
10-Jun-99	—	—	—	—	—	—	—	—	—	—	—
7-Oct-99	—	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	—	—	—	—	—	—
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	—	—	—	—	—	—	—	—	—
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
15-Feb-11	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
20-Dec-12	—	—	—	—	—	—	—	—	—	—	—
6-Jun-13	—	—	—	—	—	—	—	—	—	—	—
28-Oct-14	—	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	—	—	—	—	—	—
1-Nov-16	—	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	—	—	—	—	—	—
9-Oct-18	—	—	—	—	—	—	—	—	—	—	—
12-Jun-19	< 0.005	50.2	2.1	0.051	—	14.5	18.7	—	—	—	0.045
3-Dec-20	< 0.005	40.1	1.3	< 0.002	< 0.04	6.4	11.7	—	< 0.01	—	< 0.02
23-Jun-21	—	—	—	—	—	—	—	—	—	—	—
20-Dec-22	0.03	106	4.2	—	0.08	21.5	10.6	—	—	—	0.14
10-Jul-23	—	—	—	—	—	—	—	—	—	—	—
19-Nov-24	—	—	—	—	—	—	—	—	—	—	—
23-Jun-25	—	30	0.15	—	—	4.5	6	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-5D										
29-Mar-96	48	-50	7	2300	—	6	150	1100	2000	97
20-Jun-96	50	125	7.2	2000	110	18	140	1100	2100	94
5-Sep-96	57	-75	7.4	200	—	8	160	1200	2100	93
12-Dec-96	46	-75	6.9	1800	—	17	130	970	2100	98
28-Mar-97	46	25	7	1600	—	22	150	1100	2100	95
3-Jun-97	52	-35	7.1	2200	—	15	140	1100	2100	96
30-Sep-97	52	-30	7.2	2400	25	6	130	1200	2200	97
9-Dec-97	46	80	7.2	2600	—	13	170	1200	2100	93
30-Mar-98	54	-45	7.4	1500	—	4	150	1100	2100	92
22-Oct-98	48	20	7.1	1600	7	3	150	430	2100	94
10-Jun-99	48	-30	7.1	2200	20	4	140	1100	2000	96
7-Oct-99	48	-40	7	2100	—	8	160	1300	2100	93
11-May-00	54	-20	6.2	1600	—	16	150	1000	2000	96
19-Oct-00	55	-35	7.6	1501	50	17	150	1300	1800	95
6-Jun-01	63	-80	7.7	1776	20	9	140	970	2100	92
12-Nov-01	51	-34	7.6	1590	—	39	150	—	2000	94
31-May-02	58	-44	7.5	1854	—	14	150	890	2000	98
21-Nov-02	50	-15	6.7	1660	11	14	140	990	1900	95
16-May-03	53	-18	7.2	1642	9	17	140	1100	2100	96
18-Dec-03	43	-40	7.6	722	—	16	150	580	970	43
27-May-04	51	-18	6.8	1991	—	14	160	970	1850	86
14-Dec-04	47	-17	7.8	1642	—	22	280	970	1610	138
11-May-05	53	-22	7.1	2120	50	12	130	890	1750	90
17-Nov-05	48	-40	7.1	2640	—	15	210	940	1700	78
29-Dec-06	41	31	7.1	1930	20	5	140	770	1690	100
27-Jun-07	54	-55	6.9	995	—	25	110	1100	1920	104
31-Oct-08	50	-26	7.5	1637	11	21	140	1200	1910	108
1-Jun-09	52	193	7.1	1310	—	29	120	1200	2000	105
20-Oct-10	50	-14	7.6	1879	—	15	220	1500	2400	160
15-Feb-11	48	-60	7.5	1576	—	26.3	94	1300	2000	95
30-Jun-11	52	-51	7.4	2296	—	12.9	130	1300	1900	102
20-Dec-12	56	87	6.5	2271	—	25	130	1500	2200	100
6-Jun-13	59	-31	7.4	2340	—	15.6	136	1004	2100	90
28-Oct-14	57	-74	7.4	2120	—	15	123	1200	1970	92
6-May-15	57	-50	7.3	2060	—	32	130	1400	1890	99
2-Nov-16	55	-72	7.2	1929	5	11.4	137	1120	1730	94
15-Jun-17	58	-34	7.3	1758	—	7.4	122	1200	1920	84
9-Oct-18	61	-39	7.1	2230	—	16	142	1100	1880	111
19-Jun-19	59	-133	7.2	2250	—	124	135	1200	1710	113
3-Dec-20	48	-141	8.7	2110	—	60	140		1980	86
23-Jun-21	56	-126	8.4	2122	—	20	144	1120	1720	89
20-Dec-22	49	-27	7.4	1865	500	71	150	926	2030	96
10-Jul-23	55	-23	7.4	881	—	320	483	1120	1730	83
19-Nov-24	51	-31	7.5	220	—	45	529	1100	1780	94
23-Jun-25	54	-13	7.4	200	40	340	225	1200	1890	80

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	—	—	—	—	0.005	0.1
MW-5D										
29-Mar-96	920	—	< 0.2	3	—	—	< 20	< 1	< 0.005	—
20-Jun-96	1300	3.5	0.2	3.4	3.3	< 4	< 20	< 1	< 0.005	< 0.01
5-Sep-96	1200	—	< 0.2	2.8	—	—	< 20	< 1	< 0.005	—
12-Dec-96	1300	—	0.4	2.2	—	—	< 20	< 1	< 0.005	—
28-Mar-97	1100	—	< 0.2	3.2	—	—	< 20	< 1	< 0.005	—
3-Jun-97	1200	—	< 0.2	3	—	—	< 20	2	< 0.005	—
30-Sep-97	1100	2.6	< 0.2	2.9	2.9	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1200	—	0.2	2.2	—	—	< 20	< 1	< 0.005	—
30-Mar-98	1100	—	< 0.2	2.6	—	—	< 20	< 1	< 0.005	—
22-Oct-98	1100	3.4	< 0.2	3.5	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	1100	3	0.5	3.1	2.9	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1100	—	0.5	2.1	—	—	< 20	< 1	< 0.005	—
11-May-00	1000	—	< 0.2	2.7	—	—	< 20	< 1	< 0.005	—
19-Oct-00	1100	3.4	0.3	2.9	2.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1300	3	< 0.2	3.2	2.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1500	—	< 0.2	2.7	—	—	< 20	< 1	< 0.005	—
31-May-02	550	—	0.3	3	—	—	< 20	< 3	< 0.005	—
21-Nov-02	450	2.8	0.9	1.4	1.2	< 4	23	< 3	< 0.005	< 0.01
16-May-03	880	2.9	1.2	1.6	1.7	4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	180	—	< 0.2	1.1	—	—	20	< 3	< 0.005	—
27-May-04	1160	—	0.3	2.1	—	—	< 20	< 3	< 0.005	—
14-Dec-04	1890	—	1.5	2.5	—	—	27	< 3	< 0.005	—
11-May-05	908	2.8	1.2	2.5	10	8	< 20	< 3	< 0.005	< 0.01
17-Nov-05	1330	—	0.3	3.1	—	—	< 20	< 3	0.006	—
29-Dec-06	855	2.3	1.1	2.9	2.1	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	15	—	2	1.6	—	—	< 20	< 3	0.007	< 0.01
31-Oct-08	1060	3.6	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	1110	—	0.8	2.6	—	—	< 20	< 3	< 0.005	—
20-Oct-10	1040	—	—	2.4	—	—	< 20	< 3	—	—
15-Feb-11	1530	—	.6	1	—	—	—	—	—	—
30-Jun-11	1090	—	2.1	1.4	—	—	—	—	—	—
20-Dec-12	873	—	0.8	2.6	2	—	—	—	—	—
6-Jun-13	1035	—	0.21	3.3	—	—	< 5.0	< 1.0	< 0.01	—
28-Oct-14	1040	3.5	2.0	1.0	1.1	2.9	< 10	1.9	< 0.005	< 0.01
6-May-15	1220	—	< 0.1	3.5	—	—	< 10	—	< 0.005	—
2-Nov-16	1150	3.8	0.07	3.5	—	—	< 10	1.2	< 0.005	—
15-Jun-17	971	—	0.1	3.2	—	—	21	< 1.0	< 0.005	—
9-Oct-18	1280	—	0.22	2.8	—	—	18	< 1.0	< 0.005	—
19-Jun-19	1370	3.7	0.05	3.5	—	—	26	4.8	< 0.01	—
3-Dec-20	1040	3.4	0.08	3.5	4.3	2.7	19	2	< 0.005	< 0.01
23-Jun-21	1440	—	< 0.25	4.1	—	—	< 10	1.6	< 0.005	—
20-Dec-22	1170	—	0.12	3.4	5.2	—	40	3.8	—	—
10-Jul-23	807	—	0.66	1.0	—	—	269	24.3	< 0.005	—
19-Nov-24	657	—	1	8.8	—	—	362	59	0.1	—
23-Jun-25	501	—	< 0.2	3.5	—	—	196	44	< 0.005	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	—	—	0.009	< 0.3	—	< 0.005	160	—	—	—	2.7
20-Jun-96	0.27	< 0.003	0.012	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	3.5
5-Sep-96	—	—	0.019	< 0.3	—	< 0.005	460	—	—	—	4.2
12-Dec-96	—	—	0.008	< 0.3	—	< 0.005	360	—	—	—	2.1
28-Mar-97	—	—	0.02	< 0.3	—	< 0.005	390	—	—	—	3.9
3-Jun-97	—	—	0.019	< 0.3	—	< 0.005	420	—	—	—	4.8
30-Sep-97	< 0.05	< 0.003	0.009	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	2.9
9-Dec-97	—	—	0.009	< 0.3	—	< 0.005	430	—	—	—	2.5
30-Mar-98	—	—	0.006	< 0.3	—	0.005	400	—	—	—	2.5
22-Oct-98	0.14	0.004	0.008	< 0.3	< 0.005	< 0.005	140	< 0.05	< 0.01	< 0.02	2.8
10-Jun-99	0.14	< 0.003	0.011	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.03	2.8
7-Oct-99	—	—	—	—	—	< 0.005	480	—	—	—	2.9
11-May-00	—	—	—	—	—	< 0.005	370	—	—	—	2.7
19-Oct-00	0.27	< 0.003	0.009	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.02	2.6
6-Jun-01	< 0.05	< 0.003	0.011	< 0.3	< 0.005	< 0.005	360	< 0.05	< 0.01	< 0.02	2.3
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	400	—	—	—	5
31-May-02	—	—	0.047	< 0.3	—	< 0.005	330	—	—	—	5
21-Nov-02	0.3	< 0.003	< 0.010	< 0.03	< 0.005	0.007	370	< 0.05	< 0.01	0.03	2.2
16-May-03	0.32	0.012	< 0.010	< 0.3	< 0.005	0.007	390	< 0.05	< 0.01	0.03	2
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	210	—	—	—	1.4
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.6
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	360	—	—	—	2.5
11-May-05	0.18	< 0.003	0.024	< 0.3	< 0.005	< 0.005	330	< 0.05	< 0.01	0.05	2.3
17-Nov-05	—	—	0.025	< 0.3	—	< 0.005	350	—	—	—	2.8
29-Dec-06	0.11	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	280	< 0.05	< 0.01	< 0.02	1.6
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	410	—	—	—	3.4
31-Oct-08	< 0.05	< 0.003	0.013	0.3	< 0.005	< 0.005	460	< 0.05	< 0.01	< 0.02	4.5
1-Jun-09	—	—	—	—	—	< 0.005	460	—	—	—	2.3
20-Oct-10	—	—	—	—	—	< 0.005	550	—	—	—	3.2
15-Feb-11	—	—	—	—	—	—	490	—	—	—	4.3
30-Jun-11	—	—	—	—	—	—	480	—	—	—	4.8
20-Dec-12	—	—	—	—	—	—	420	—	—	—	1.9
6-Jun-13	—	—	—	—	—	< 0.005	402	—	—	—	3.1
28-Oct-14	—	—	< 0.010	< 0.010	—	—	446	—	—	—	2.0
6-May-15	—	—	—	—	—	< 0.005	460	—	—	—	3.0
2-Nov-16	—	—	—	—	—	< 0.0025	465	—	—	—	2.0
15-Jun-17	—	—	—	—	—	< 0.0025	484	—	—	—	0.6
9-Oct-18	—	—	—	—	—	< 0.0025	416	—	—	—	2.7
19-Jun-19	0.2	—	0.04	—	< 0.005	< 0.0025	442	—	—	—	10.6
3-Dec-20	< 0.2	< 0.06	0.032	< 0.2	< 0.005	< 0.0025	415	< 0.010	—	< 0.025	7.2
23-Jun-21	—	—	—	—	—	< 0.0025	402	—	—	—	3
20-Dec-22	0.2	—	—	—	—	—	504	—	—	—	8.0
10-Jul-23	—	—	—	—	—	0.0033	416	—	—	—	0.4
19-Nov-24	—	—	—	—	—	< 0.005	407	—	—	—	1.9
23-Jun-25	—	—	—	—	—	< 0.005	446	—	0.09	—	3.2

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-5D											
29-Mar-96	< 0.001	19	0.07	< 0.0008	—	57	52	—	—	—	—
20-Jun-96	0.003	18	0.07	< 0.0004	< 0.03	41	50	< 0.001	< 0.05	< 0.003	0.04
5-Sep-96	0.009	23	0.08	< 0.0004	—	35	57	—	—	—	—
12-Dec-96	< 0.001	18	0.08	< 0.0004	—	45	59	—	—	—	—
28-Mar-97	0.002	19	0.07	< 0.0004	—	38	57	—	—	—	—
3-Jun-97	< 0.001	21	0.08	< 0.0004	—	34	65	—	—	—	—
30-Sep-97	< 0.001	20	0.07	< 0.0004	< 0.03	63	75	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	19	0.06	< 0.0004	—	66	78	—	—	—	—
30-Mar-98	< 0.001	15	0.05	< 0.0004	—	55	67	—	—	—	—
22-Oct-98	< 0.001	19	0.08	< 0.0004	0.07	50	64	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	18	0.08	< 0.0004	0.03	58	64	< 0.001	< 0.05	0.007	< 0.01
7-Oct-99	0.006	20	0.05	—	—	47	58	—	—	—	—
11-May-00	< 0.001	18	0.05	—	—	40	54	—	—	—	—
19-Oct-00	0.002	19	0.06	< 0.0004	0.07	46	55	< 0.001	< 0.05	0.056	< 0.01
6-Jun-01	< 0.001	17	0.06	< 0.0004	< 0.03	55	63	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	19	0.07	—	—	54	68	—	—	—	—
31-May-02	0.002	15	0.05	< 0.0004	—	46	54	—	—	—	—
21-Nov-02	< 0.001	16	0.05	< 0.0004	< 0.03	48	51	< 0.005	< 0.05	< 0.003	0.02
16-May-03	< 0.001	16	0.04	< 0.0004	0.07	42	53	< 0.005	< 0.05	< 0.003	0.04
18-Dec-03	< 0.001	16	0.04	< 0.0004	—	32	36	—	—	—	—
27-May-04	< 0.001	17	0.04	< 0.0004	—	42	48	—	—	—	—
14-Dec-04	0.002	17	0.03	< 0.0004	—	46	58	—	—	—	—
11-May-05	< 0.001	17	0.03	< 0.0004	< 0.03	48	58	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	15	0.05	< 0.0004	—	39	43	—	—	—	—
29-Dec-06	0.013	16	0.04	< 0.0004	< 0.03	35	46	< 0.005	< 0.05	0.012	0.23
27-Jun-07	< 0.003	18	0.03	< 0.0004	—	58	69	—	—	—	—
31-Oct-08	< 0.003	22	0.03	< 0.0004	< 0.03	67	75	< 0.005	< 0.05	< 0.003	> 0.01
1-Jun-09	< 0.003	20	0.04	—	—	44	75	—	—	—	—
20-Oct-10	—	22	0.09	—	—	46	120	—	—	—	—
15-Feb-11	—	22	0.04	—	—	51	77	—	—	—	—
30-Jun-11	—	22	0.03	—	—	47	82	—	—	—	—
20-Dec-12	—	22	0.04	—	—	41	87	—	—	—	—
6-Jun-13	< 0.02	19	0.06	—	—	51	58	—	—	—	—
28-Oct-14	—	20	0.05	—	—	58	67	—	—	—	—
6-May-15	—	20	0.06	—	—	62	69	—	—	—	—
2-Nov-16	< 0.005	21	0.09	—	—	57	67	—	—	—	—
15-Jun-17	< 0.005	22	0.07	—	—	60	69	—	—	—	—
9-Oct-18	< 0.005	19	0.06	—	—	55	65	—	—	—	—
19-Jun-19	< 0.005	20	0.11	—	—	60	70	—	—	—	0.02
3-Dec-20	< 0.005	20	0.11	—	< 0.04	58	67	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	18	0.07	—	—	53	60	—	—	—	—
20-Dec-22	—	20	0.09	—	—	59	71	—	—	—	0.031
10-Jul-23	0.0056	19	0.1	—	—	52	57	—	—	—	—
19-Nov-24	< 0.005	20	0.09	—	—	54	65	—	—	—	—
23-Jun-25	< 0.005	20	0.07	—	—	60	64	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-5D											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	—	—	—	—	—	—	—	—	—	—	—
5-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	—	—	—	—	—	—	—	—	—
22-Oct-98	—	—	—	—	—	—	—	—	—	—	—
10-Jun-99	—	—	—	—	—	—	—	—	—	—	—
7-Oct-99	—	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	—	—	—	—	—	—
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	—	—	—	—	—	—	—	—	—
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
15-Feb-11	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
20-Dec-12	—	—	—	—	—	—	—	—	—	—	—
6-Jun-13	—	—	—	—	—	—	—	—	—	—	—
28-Oct-14	—	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	—	—	—	—	—	—
2-Nov-16	—	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	—	—	—	—	—	—
9-Oct-18	—	—	—	—	—	—	—	—	—	—	—
19-Jun-19	—	—	—	< 0.2	—	< 0.0025	418	—	—	—	92.2
3-Dec-20	< 0.2	< 0.06	0.012	< 0.2	< 0.005	< 0.0025	429	< 0.01	—	< 0.025	2.6
23-Jun-21	—	—	—	—	—	—	—	—	—	—	—
20-Dec-22	0.14	—	—	—	—	—	478	—	—	—	8
10-Jul-23	—	—	—	—	—	—	—	—	—	—	—
19-Nov-24	—	—	—	—	—	—	—	—	—	—	—
23-Jun-25	—	—	0.022	—	—	—	443	—	—	—	0.4

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-5D											
29-Mar-96	—	—	—	—	—	—	—	—	—	—	—
20-Jun-96	—	—	—	—	—	—	—	—	—	—	—
5-Sep-96	—	—	—	—	—	—	—	—	—	—	—
12-Dec-96	—	—	—	—	—	—	—	—	—	—	—
28-Mar-97	—	—	—	—	—	—	—	—	—	—	—
3-Jun-97	—	—	—	—	—	—	—	—	—	—	—
30-Sep-97	—	—	—	—	—	—	—	—	—	—	—
9-Dec-97	—	—	—	—	—	—	—	—	—	—	—
30-Mar-98	—	—	—	—	—	—	—	—	—	—	—
22-Oct-98	—	—	—	—	—	—	—	—	—	—	—
10-Jun-99	—	—	—	—	—	—	—	—	—	—	—
7-Oct-99	—	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	—	—	—	—	—	—
19-Oct-00	—	—	—	—	—	—	—	—	—	—	—
6-Jun-01	—	—	—	—	—	—	—	—	—	—	—
12-Nov-01	—	—	—	—	—	—	—	—	—	—	—
31-May-02	—	—	—	—	—	—	—	—	—	—	—
21-Nov-02	—	—	—	—	—	—	—	—	—	—	—
16-May-03	—	—	—	—	—	—	—	—	—	—	—
18-Dec-03	—	—	—	—	—	—	—	—	—	—	—
27-May-04	—	—	—	—	—	—	—	—	—	—	—
14-Dec-04	—	—	—	—	—	—	—	—	—	—	—
11-May-05	—	—	—	—	—	—	—	—	—	—	—
17-Nov-05	—	—	—	—	—	—	—	—	—	—	—
29-Dec-06	—	—	—	—	—	—	—	—	—	—	—
27-Jun-07	—	—	—	—	—	—	—	—	—	—	—
31-Oct-08	—	—	—	—	—	—	—	—	—	—	—
1-Jun-09	—	—	—	—	—	—	—	—	—	—	—
20-Oct-10	—	—	—	—	—	—	—	—	—	—	—
15-Feb-11	—	—	—	—	—	—	—	—	—	—	—
30-Jun-11	—	—	—	—	—	—	—	—	—	—	—
20-Dec-12	—	—	—	—	—	—	—	—	—	—	—
6-Jun-13	—	—	—	—	—	—	—	—	—	—	—
28-Oct-14	—	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	—	—	—	—	—	—
2-Nov-16	—	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	—	—	—	—	—	—
9-Oct-18	—	—	—	—	—	—	—	—	—	—	—
19-Jun-19	< 0.005	19.7	0.063	—	—	53.2	63.3	—	—	—	—
3-Dec-20	< 0.005	19.9	0.096	< 0.2	< 0.04	57.9	66	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	—	—	—	—	—	—	—	—	—	—	—
20-Dec-22	—	20.6	0.088	—	—	55.5	67	—	—	—	—
10-Jul-23	—	—	—	—	—	—	—	—	—	—	—
19-Nov-24	—	—	—	—	—	—	—	—	—	—	—
23-Jun-25	—	19.8	0.076	—	—	59.6	64	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-6S										
29-Mar-96	48	80	7.3	700	—	12	330	320	380	10
20-Jun-96	55	235	7.4	620	21	36	210	320	410	10
5-Sep-96	59	1115	7.6	580	—	19	320	390	490	8
12-Dec-96	46	90	7.4	500	—	29	300	290	350	8
28-Mar-97	52	255	7.6	490	—	48	330	340	410	10
3-Jun-97	50	245	7.3	640	—	58	320	360	380	11
29-Sep-97	55	80	7.5	660	16	80	270	280	350	7
9-Dec-97	46	150	7.6	680	—	21	390	320	420	6
30-Mar-98	54	75	7.7	440	—	20	300	260	380	9
22-Oct-98	54	200	7.2	660	8	38	310	320	420	7
10-Jun-99	54	240	7.4	570	7	65	310	310	320	8
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—
11-May-00	50	95	9	760	—	27	310	280	380	8
19-Oct-00	54	75	7.9	465	60	41	330	350	360	6
6-Jun-01	57	-92	8.1	460	25	14	290	300	660	8
12-Nov-01	49	-74	8.1	510	—	33	300	—	600	4
31-May-02	57	-60	7.7	507	—	25	320	300	320	11
21-Nov-02	53	-52	7.4	478	8	50	330	270	320	7
16-May-03	55	-58	7.9	494	6	10	320	380	370	11
18-Dec-03	46	-84	8.5	406	—	3	330	330	440	7
27-May-04	53	-58	7.5	645	—	1	310	310	367	11
14-Dec-04	48	-30	7.9	584	—	3	420	310	472	15
11-May-05	50	-35	7.5	635	10	8	320	270	322	12
17-Nov-05	51	-40	7.3	626	—	2	260	320	492	9
29-Dec-06	42	166	7.4	628	7	12	300	300	480	11
27-Jun-07	53	-150	8.7	373	—	20	310	350	388	11
31-Oct-08	55	-24	7.4	554	8	9	300	390	400	7
1-Jun-09	48	161	7.7	339	—	10	300	370	380	7
20-Oct-10	57	107	7.85	612	—	6	310	370	400	27
30-Jun-11	52	104	7.7	625	—	41.5	320	390	480	4
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—
4-Jun-13	53	225	7.8	661	—	4	312	145	428	5.5
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—
6-May-15	52	126	7.7	636	—	25	313	1100	422	7
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—
15-Jun-17	64	47	7.6	604	—	73	291	440	401	8
9-Oct-18	60	-12	7.5	663	—	77	321	400	366	12
19-Jun-19	59	-23	7.4	679	—	19	344	350	336	12
3-Dec-20	50	-159	7.5	638	10	45	438	---	374	8
23-Jun-21	58	-141	9.0	687	—	100	370	440	504	11
20-Dec-22	44	-55	8.4	660	250	21	330	364	372	12
10-Jul-23	60	-69	8.2	679	—	29	325	383	402	11
19-Nov-24	49	-54	7.9	740	—	230	328	454	409	15
23-Jun-25	54	-21	7.4	750	—	86	323	427	393	16

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-6S										
29-Mar-96	23	-	12	< 0.5	-	-	< 20	4	< 0.005	-
20-Jun-96	21	< 0.1	9.8	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	36	-	4.8	< 0.5	-	-	< 20	< 1	< 0.005	-
12-Dec-96	39	-	3.3	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	31	-	9	< 0.5	-	-	< 20	4	< 0.005	-
3-Jun-97	27	-	11	< 0.5	-	-	< 20	12	< 0.005	-
30-Sep-97	49	< 0.1	0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	34	-	3.9	< 0.5	-	-	< 20	< 1	< 0.005	-
30-Mar-98	23	-	7.4	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	38	< 0.1	2.7	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	22	< 0.1	7.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	DRY	-	-	-	-	-	-	-	-	-
11-May-00	27	-	6.2	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	55	< 0.1	0.9	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	32	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	54	-	< 0.2	1.4	-	-	< 20	< 1	< 0.005	-
31-May-02	31	-	6.4	< 0.5	-	-	< 20	< 3	< 0.005	-
21-Nov-02	55	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	29	< 0.5	6.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	54	-	2.9	< 0.5	-	-	20	< 3	< 0.005	-
27-May-04	25	-	7.9	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	50	-	4.8	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	24	< 0.5	15	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	48	-	0.3	< 0.5	-	-	< 20	< 3	< 0.005	-
29-Dec-06	25	< 0.5	6.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	36	-	6.5	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Oct-08	50	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	35	-	4.1	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	48	-	0.25	-	-	-	-	-	-	-
30-Jun-11	30	-	3.0	-	-	-	-	-	-	-
20-Dec-12	DRY	-	-	-	-	-	-	-	-	-
4-Jun-13	40	-	1.7	< 0.1	-	-	< 5.0	< 3	< 0.01	-
28-Oct-14	DRY	-	-	-	-	-	-	-	-	-
6-May-15	65	-	2.4	0.2	-	-	< 10	1.1	< 0.005	-
2-Nov-16	DRY	-	-	-	-	-	-	-	-	-
15-Jun-17	40	-	3.2	< 0.1	-	-	55	< 1	< 0.01	-
9-Oct-18	78	-	0.07	< 0.1	-	-	< 10	< 1	6.9	-
19-Jun-19	47	-	5.8	< 0.1	-	-	< 10	1.3	< 0.01	-
3-Dec-20	55	< 0.05	< 0.05	< 0.1	2.1	< 4	61	1.1	< 0.005	< 0.01
23-Jun-21	51	-	4.8	< 0.1	-	-	-	< 1	< 0.005	-
20-Dec-22	42	0.03	5.8	-	1.5	-	12	-	-	-
10-Jul-23	48	-	-	0.24	-	-	-	1.1	< 0.005	-
19-Nov-24	33	-	8.3	-	-	-	-	-	-	-
23-Jun-25	25	-	12.3	-	0.56	-	-	-	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-6S											
29-Mar-96	—	—	0.002	< 0.3	—	< 0.005	57	—	—	—	0.23
20-Jun-96	0.08	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	0.08
5-Sep-96	—	—	< 0.001	< 0.3	—	< 0.005	62	—	—	—	0.67
12-Dec-96	—	—	< 0.001	< 0.3	—	< 0.005	45	—	—	—	0.43
28-Mar-97	—	—	< 0.001	< 0.3	—	< 0.005	58	—	—	—	0.23
3-Jun-97	—	—	< 0.001	< 0.3	—	< 0.005	62	—	—	—	0.94
30-Sep-97	1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	45	< 0.05	< 0.01	< 0.02	1.7
9-Dec-97	—	—	0.001	< 0.3	—	< 0.005	53	—	—	—	0.11
30-Mar-98	—	—	0.002	< 0.3	—	< 0.005	55	—	—	—	0.89
22-Oct-98	0.5	< 0.003	0.002	< 0.3	< 0.005	< 0.005	47	< 0.05	< 0.01	< 0.02	0.73
10-Jun-99	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	56	< 0.05	< 0.01	0.03	0.67
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	—	—	—	—	—	< 0.005	48	—	—	—	0.38
19-Oct-00	0.44	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	0.78
6-Jun-01	0.2	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	0.4
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	57	—	—	—	7.3
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	49	—	—	—	0.66
21-Nov-02	0.23	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	41	< 0.05	< 0.01	0.02	0.39
16-May-03	0.22	< 0.003	< 0.010	< 0.3	< 0.005	0.007	69	< 0.05	< 0.01	< 0.02	0.15
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	50	—	—	—	0.35
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	55	—	—	—	0.13
14-Dec-04	—	—	< 0.010	< 0.3	—	< 0.005	51	—	—	—	0.15
11-May-05	0.15	< 0.003	< 0.010	< 0.3	< 0.005	0.007	44	< 0.05	< 0.01	0.03	0.27
17-Nov-05	—	—	< 0.010	< 0.3	—	< 0.005	48	—	—	—	0.18
29-Dec-06	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	0.66
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	58	—	—	—	0.53
31-Oct-08	0.09	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	52	< 0.05	< 0.01	< 0.02	0.56
1-Jun-09	—	—	—	—	—	< 0.005	64	—	—	—	0.08
20-Oct-10	—	—	—	—	—	—	55	—	—	—	0.12
30-Jun-11	—	—	—	—	—	—	63	—	—	—	0.3
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	—	—	—	—	—	< 0.005	58	—	—	—	0.05
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	—	—	—	—	—	< 0.005	184	—	—	—	16.6
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	—	—	—	—	—	< 0.0025	82	—	—	—	3.5
9-Oct-18	—	—	—	—	—	< 0.0025	71	—	—	—	7.5
19-Jun-19	2.4	—	—	—	—	< 0.0025	77	—	—	—	5.1
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	54	< 0.010	—	< 0.025	0.5
23-Jun-21	—	—	—	—	—	< 0.0025	74	—	—	—	0.9
20-Dec-22	0.9	—	—	0.1	—	—	64	—	—	—	1.2
10-Jul-23	—	—	—	—	—	< 0.0033	66	—	—	—	0.28
19-Nov-24	—	—	—	—	—	—	73	—	—	—	6.9
23-Jun-25	—	—	—	—	—	—	71	—	—	—	2.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
MW-6S											
29-Mar-96	0.004	43	< 0.02	< 0.0004	—	0.9	2.7	—	—	—	—
20-Jun-96	0.002	44	0.02	< 0.0004	< 0.03	0.8	2.1	0.001	< 0.05	< 0.003	0.01
5-Sep-96	0.003	56	0.04	< 0.0004	—	1.2	4.2	—	—	—	—
12-Dec-96	0.001	42	< 0.02	< 0.0004	—	1.3	4.5	—	—	—	—
28-Mar-97	0.002	47	< 0.02	< 0.0004	—	1	4.7	—	—	—	—
3-Jun-97	0.01	50	0.07	< 0.0004	—	1.1	4.1	—	—	—	—
30-Sep-97	0.003	42	0.04	< 0.0004	< 0.03	1.7	5.7	< 0.001	< 0.05	< 0.003	0.08
9-Dec-97	0.002	45	< 0.02	< 0.0004	—	2.1	4.8	—	—	—	—
30-Mar-98	0.015	29	0.03	< 0.0004	—	1.5	5.1	—	—	—	—
22-Oct-98	0.003	49	0.04	< 0.0004	0.03	3.3	6.3	< 0.001	< 0.05	< 0.003	0.03
10-Jun-99	0.002	42	0.09	< 0.0004	< 0.03	1.9	6.1	< 0.001	< 0.05	< 0.003	0.04
7-Oct-99	DRY	—	—	—	—	—	—	—	—	—	—
11-May-00	0.002	39	< 0.02	—	—	3.8	7.2	—	—	—	—
19-Oct-00	0.004	51	0.04	< 0.0004	0.05	2.3	6	< 0.001	< 0.05	0.015	0.03
6-Jun-01	< 0.001	41	< 0.02	< 0.0004	< 0.03	3.2	6.6	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	0.004	50	0.2	< 0.0004	—	4.5	7.3	—	—	—	—
31-May-02	< 0.001	42	0.2	< 0.0004	—	1.2	5.5	—	—	—	—
21-Nov-02	< 0.001	41	< 0.02	< 0.0004	< 0.03	2.3	5.9	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	50	< 0.02	< 0.0004	0.06	2.1	5.5	< 0.005	< 0.05	< 0.003	0.07
18-Dec-03	0.001	50	0.03	< 0.0004	—	2.1	5.5	—	—	—	—
27-May-04	0.003	41	< 0.02	< 0.0004	—	1.2	5.3	—	—	—	—
14-Dec-04	0.001	46	< 0.02	< 0.0004	—	1.3	4.2	—	—	—	—
11-May-05	< 0.001	38	< 0.02	< 0.0004	< 0.03	1.1	2.9	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	49	0.14	< 0.0004	—	2.4	3.8	—	—	—	—
29-Dec-06	< 0.003	42	0.04	< 0.0004	< 0.03	0.8	2.8	< 0.005	< 0.05	< 0.005	0.29
27-Jun-07	< 0.001	48	< 0.02	< 0.0004	—	1.3	3.2	—	—	—	—
31-Oct-08	< 0.003	64	0.04	< 0.0004	< 0.03	1.9	4.7	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	50	< 0.02	—	—	1.3	5.8	—	—	—	—
20-Oct-10	—	57	—	—	—	2.0	4.8	—	—	—	—
30-Jun-11	—	55	—	—	—	1.4	3.3	—	—	—	—
20-Dec-12	DRY	—	—	—	—	—	—	—	—	—	—
4-Jun-13	< 0.02	48	< 0.01	—	—	1.1	4	—	—	—	—
28-Oct-14	DRY	—	—	—	—	—	—	—	—	—	—
6-May-15	< 0.02	94.5	—	—	—	< 0.5	5.4	—	—	—	—
2-Nov-16	DRY	—	—	—	—	—	—	—	—	—	—
15-Jun-17	0.007	61.6	0.18	—	—	< 5	< 0.5	—	—	—	—
9-Oct-18	< 0.005	61.5	0.27	—	—	< 5	5.5	—	—	—	—
19-Jun-19	< 0.005	57	0.23	—	—	< 5	7.4	—	—	—	—
3-Dec-20	< 0.005	57	0.05	—	< 0.04	< 5	5.5	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	55	0.16	—	—	< 5	7.6	—	—	—	—
20-Dec-22	—	62	0.11	—	—	2	4.2	—	—	—	—
10-Jul-23	—	53	0.1	—	—	1.4	3.2	—	—	—	—
19-Nov-24	—	66	0.26	—	—	4.3	4.6	—	—	—	—
23-Jun-25	—	61	0.11	—	—	—	4.6	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-8S										
29-Mar-96	48	-80	6.5	1000	—	0.65	580	540	690	36
20-Jun-96	54	180	7	950	23	1.4	310	540	730	38
5-Sep-96	59	55	7	1300	—	1.1	580	660	750	40
12-Dec-96	48	75	6.8	830	—	0.28	570	480	670	29
28-Mar-97	45	250	6.8	710	—	0.73	610	520	690	29
3-Jun-97	52	205	6.8	1300	—	0.51	580	580	780	35
30-Sep-97	54	55	6.6	1200	11	0.1	480	650	810	41
9-Dec-97	46	180	6.9	1200	—	2.05	580	510	680	7
30-Mar-98	50	135	6.5	760	—	0.67	550	560	670	29
22-Oct-98	50	110	6.6	1000	<5	9.26	610	390	690	27
10-Jun-99	55	230	6.4	1000	<4	1.04	690	610	660	32
7-Oct-99	48	140	6.6	1000	—	1.27	650	680	710	32
11-May-00	52	30	7.1	1000	—	1.39	590	440	600	21
19-Oct-00	53	70	7.3	424	<5	1.5	680	670	670	38
6-Jun-01	52	-42	7.1	823	<5	0.1	600	550	700	30
12-Nov-01	51	-16	7.3	832	—	1.14	790	—	730	36
31-May-02	51	-20	7.1	736	—	0.44	430	450	550	18
21-Nov-02	51	-1	6.4	818	7	0.8	620	410	500	2
16-May-03	50	-13	7.1	808	8	2.3	570	570	620	27
18-Dec-03	45	-22	7.4	506	—	1.8	630	500	660	5
27-May-04	52	-40	7.2	1059	—	1.36	540	500	620	26
14-Dec-04	48	-21	7.5	903	—	0.78	690	460	622	20
11-May-05	52	-8	6.8	1004	5	0.81	590	450	560	24
17-Nov-05	49	-15	6.8	1149	—	0.25	490	560	735	4
29-Dec-06	42	105	6.7	1026	7	0.29	580	480	673	31
27-Jun-07	52	-48	6.8	523	—	0.46	510	510	565	28
31-Oct-08	11	-21	7.4	872	<5	2.12	560	630	642	15
1-Jun-09	50	215	6.7	503	—	0.43	500	560	580	23
20-Oct-10	50	78	7.4	1921	—	56	120	1300	1700	91
15-Feb-11	50	72	7.1	909	—	1.2	300	670	670	21
30-Jun-11	52	24	7.0	1043	—	1.76	610	560	680	25
26-Oct-12	54	182	6.3	1100	—	15	620	720	880	34
6-Jun-13	54	121	7.1	998	—	<1.0	528	352	631	21
28-Oct-14	54	5	7.2	1190	—	1.2	605	656	671	34
5-May-15	61	80	6.9	840	—	<1.0	505	1100	524	16
2-Nov-16	54	69	7.3	1035	5	3.2	619	600	633	17
15-Jun-17	56	-4	7.0	923	—	<1.0	598	620	566	24
9-Oct-18	54	-6	6.8	1124	—	6.6	594	300	617	37
19-Jun-19	56	-22	6.9	934	—	4.7	469	367	440	17
3-Dec-20	55	-121	8.5	1049	—	6.4	605	---	664	25
23-Jun-21	58	-105	8.0	719	—	20	453	320	382	3
20-Dec-22	47	-11	7.2	842	—	4.9	560	471	501	6.5
10-Jul-23	52	-23	7.5	997	—	27	545	535	577	20
11-Nov-24	50	-23	7.5	990	—	17	573	528	574	6
23-Jun-25	54	0.2	7.0	840	—	1.9	462	448	452	9

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-85										
29-Mar-96	20	-	0.8	< 0.5	-	-	< 20	2	< 0.005	-
20-Jun-96	27	0.2	1.9	< 0.5	1.5	< 4	24	3	< 0.005	< 0.01
5-Sep-96	24	-	< 0.2	0.8	-	-	< 20	4	< 0.005	-
12-Dec-96	24	-	3.8	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	23	-	1.6	< 0.5	-	-	20	2	< 0.005	-
3-Jun-97	29	-	1.5	< 0.5	-	-	< 20	3	< 0.005	-
30-Sep-97	24	0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
9-Dec-97	18	-	1.5	< 0.5	-	-	< 20	2	< 0.005	-
30-Mar-98	21	-	2.5	< 0.5	-	-	< 20	2	< 0.005	-
22-Oct-98	22	0.1	0.5	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
10-Jun-99	25	0.2	0.7	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
7-Oct-99	20	-	0.2	< 0.5	-	-	< 20	3	< 0.005	-
11-May-00	20	-	0.8	< 0.5	-	-	< 20	2	< 0.005	-
19-Oct-00	22	0.2	< 0.2	0.6	0.6	< 4	< 20	2	< 0.005	< 0.01
6-Jun-01	22	< 0.5	0.3	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
12-Nov-01	26	-	< 0.2	0.8	-	-	< 20	2	< 0.005	-
31-May-02	23	-	1.1	< 0.5	-	-	< 20	4	< 0.005	-
21-Nov-02	12	< 0.5	0.6	< 0.5	< 0.5	< 4	< 20	4	< 0.005	< 0.01
16-May-03	17	< 0.5	0.5	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	5	-	0.4	< 0.5	-	-	< 20	< 3	0.006	-
27-May-04	18	-	1.8	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	21	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	9	< 0.5	1.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	10	-	0.9	< 0.5	-	-	< 20	< 3	< 0.005	-
29-Dec-06	8	< 0.5	2.8	< 0.5	< 0.5	4	< 20	< 3	< 0.005	< 0.01
27-Jun-07	21	-	1.5	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Oct-08	12	< 0.5	0.9	< 0.5	< 0.5	< 4	< 20	43	< 0.005	< 0.01
1-Jun-09	13	-	1.7	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	724	-	1.4	0.9	-	-	-	-	-	-
15-Feb-11	21	-	2.3	1.9	-	-	-	-	-	-
30-Jun-11	15	-	2.4	-	-	-	-	-	-	-
26-Oct-12	13	-	< 0.2	-	-	-	-	-	-	-
6-Jun-13	44	-	3.1	0.13	-	-	5	1.2	< 0.010	-
28-Oct-14	17	0.09	-	-	-	-	10	1.7	< 0.005	< 0.01
5-May-15	20	-	1.8	< 0.1	-	-	< 10	1.3	< 0.005	-
2-Nov-16	16	0.07	1.2	0.25	0.13	-	< 10	8.2	< 0.005	< 0.01
15-Jun-17	11	-	4.8	< 0.1	-	-	44	1.3	< 0.005	-
9-Oct-18	18	-	2.5	< 0.1	-	-	20	1.7	< 0.005	-
19-Jun-19	12	0.05	2.7	< 0.1	-	-	43	1.6	< 0.010	< 0.01
3-Dec-20	13	0.09	2.5	< 0.1	0.24	< 0.2	31	1.7	< 0.005	< 0.01
23-Jun-21	11	-	< 0.25	< 0.1	-	-	-	1.9	< 0.005	-
20-Dec-22	6	0.07	-	0.19	.72	-	32	1.7	-	-
10-Jul-23	14	-	3.5	0.19	-	-	24	2.3	< 0.005	-
11-Nov-24	6	-	1	< 0.1	-	-	8	1.9	< 0.005	-
23-Jun-25	9	-	1.9	-	-	-	-	1.3	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-85											
29-Mar-96	—	—	0.002	0.4	—	< 0.005	160	—	—	—	0.34
20-Jun-96	0.08	< 0.003	< 0.001	0.4	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	0.8
5-Sep-96	—	—	< 0.001	0.4	—	< 0.005	190	—	—	—	0.69
12-Dec-96	—	—	< 0.001	0.3	—	< 0.005	140	—	—	—	0.07
28-Mar-97	—	—	< 0.001	< 0.3	—	< 0.005	150	—	—	—	< 0.03
3-Jun-97	—	—	< 0.001	0.4	—	< 0.005	170	—	—	—	0.21
30-Sep-97	< 0.05	< 0.003	0.002	< 0.3	< 0.005	< 0.005	190	< 0.05	< 0.01	< 0.02	0.04
9-Dec-97	—	—	< 0.001	< 0.3	—	< 0.005	150	—	—	—	< 0.03
30-Mar-98	—	—	< 0.001	0.4	—	< 0.005	170	—	—	—	0.06
22-Oct-98	0.11	< 0.003	< 0.001	0.4	< 0.005	< 0.005	100	< 0.05	< 0.01	< 0.02	0.78
10-Jun-99	0.1	< 0.003	< 0.001	0.3	< 0.005	< 0.005	180	< 0.05	< 0.01	< 0.02	0.04
7-Oct-99	—	—	—	—	—	< 0.005	200	—	—	—	0.1
11-May-00	—	—	—	—	—	< 0.005	130	—	—	—	0.12
19-Oct-00	0.1	< 0.003	< 0.001	0.4	< 0.005	< 0.005	200	< 0.05	< 0.01	< 0.02	0.17
6-Jun-01	< 0.05	< 0.003	< 0.001	0.3	< 0.005	< 0.005	160	< 0.05	< 0.01	< 0.02	0.15
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	150	—	—	—	0.22
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	130	—	—	—	0.06
21-Nov-02	0.07	< 0.003	< 0.010	< 0.3	< 0.005	0.007	120	< 0.05	< 0.01	0.02	0.05
16-May-03	0.19	< 0.003	< 0.010	< 0.3	< 0.005	0.008	170	< 0.05	< 0.01	0.02	0.09
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	140	—	—	—	0.26
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	150	—	—	—	0.11
14-Dec-04	—	—	< 0.010	< 0.3	—	0.008	130	—	—	—	0.17
11-May-05	0.08	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	130	< 0.05	< 0.01	0.032	0.09
17-Nov-05	—	—	< 0.010	0.4	—	< 0.005	160	—	—	—	0.08
29-Dec-06	0.06	< 0.003	< 0.010	0.4	< 0.005	< 0.005	130	< 0.05	< 0.01	< 0.02	0.12
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	140	—	—	—	0.06
31-Oct-08	< 0.05	< 0.003	< 0.010	0.5	< 0.005	< 0.005	170	< 0.05	< 0.01	< 0.02	< 0.03
1-Jun-09	—	—	—	—	—	< 0.005	160	—	—	—	< 0.03
20-Oct-10	—	—	—	—	—	—	470	—	—	—	4.3
15-Feb-11	—	—	—	—	—	—	190	—	—	—	—
30-Jun-11	—	—	—	—	—	—	160	—	—	—	0.04
26-Oct-12	—	—	—	0.4	—	—	210	—	—	—	0.04
6-Jun-13	—	—	—	—	—	< 0.005	141	—	—	—	< 0.05
28-Oct-14	—	—	—	0.09	—	—	186	—	—	—	0.12
5-May-15	—	—	—	—	—	< 0.005	143	—	—	—	< 0.1
2-Nov-16	—	—	—	0.29	—	< 0.0025	195	—	—	—	< 0.1
15-Jun-17	—	—	—	—	—	< 0.0025	179	—	—	—	< 0.1
9-Oct-18	—	—	—	—	—	< 0.0025	167	—	—	—	0.15
19-Jun-19	< 0.2	< 0.010	< 0.010	0.73	< 0.005	< 0.0025	136	< 0.01	—	< 0.025	0.29
3-Dec-20	< 0.2	< 0.06	< 0.010	0.31	< 0.005	< 0.0025	174	< 0.01	—	< 0.025	0.04
23-Jun-21	—	—	—	—	—	< 0.0025	108	—	—	—	< 0.02
20-Dec-22	< 0.2	—	—	0.61	—	—	162	—	—	—	0.374
10-Jul-23	—	—	—	—	—	< 0.0033	155	—	—	—	0.49
11-Nov-24	—	—	—	—	—	< 0.005	150	—	—	—	0.6
23-Jun-25	—	—	—	0.21	—	—	127	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8S											
29-Mar-96	0.004	33	2.6	<0.0004	–	7.7	13	–	–	–	–
20-Jun-96	0.003	34	2.6	<0.0004	<0.030	6.8	17	0.003	<0.05	<0.003	0.01
5-Sep-96	0.002	44	3.2	<0.0004	–	7.5	19	–	–	–	–
12-Dec-96	<0.001	32	2.3	<0.0004	–	7.3	16	–	–	–	–
28-Mar-97	0.001	34	2.5	<0.0004	–	6.7	14	–	–	–	–
3-Jun-97	0.003	40	3.1	<0.0004	–	5.6	17	–	–	–	–
30-Sep-97	0.002	43	2.9	<0.0004	<0.030	11	24	<0.001	<0.05	<0.003	0.01
9-Dec-97	0.002	32	2.2	<0.0004	–	13	17	–	–	–	–
30-Mar-98	0.005	33	2.3	<0.0004	–	8.4	15	–	–	–	–
22-Oct-98	0.002	35	5.2	<0.0004	0.06	10	19	<0.001	<0.05	<0.003	0.02
10-Jun-99	0.002	38	2.6	<0.0004	0.04	12	17	<0.001	<0.05	<0.003	0.01
7-Oct-99	0.009	45	3	–	–	8.5	17	–	–	–	–
11-May-00	0.002	29	1.7	–	–	6.6	12	–	–	–	–
19-Oct-00	0.003	41	2.6	<0.0004	0.07	7.9	13	<0.001	<0.05	0.013	<0.01
6-Jun-01	<0.001	36	1.9	<0.0004	<0.030	13	15	<0.001	<0.05	<0.003	<0.01
12-Nov-01	<0.001	35	2.1	<0.0004	–	8.2	19	–	–	–	–
31-May-02	0.002	30	1.9	<0.0004	–	5.6	10	–	–	–	–
21-Nov-02	<0.001	27	1.3	<0.0004	<0.030	4.9	6	<0.005	<0.05	<0.003	0.01
16-May-03	<0.001	36	1.5	<0.0004	0.06	7	14	<0.005	<0.05	<0.003	0.06
18-Dec-03	<0.001	34	3	<0.0004	–	7.3	10	–	–	–	–
27-May-04	0.002	33	1.4	<0.0004	–	5.9	11	–	–	–	–
14-Dec-04	<0.001	32	2.3	<0.0004	–	6.1	10	–	–	–	–
11-May-05	<0.001	32	1.8	<0.0004	<0.030	6.1	9	<0.005	<0.05	<0.003	0.06
17-Nov-05	<0.001	38	1.8	<0.0004	–	6	5	–	–	–	–
29-Dec-06	<0.003	36	2.2	<0.0004	<0.030	4.9	13	<0.005	<0.05	<0.003	0.23
27-Jun-07	<0.001	37	1.9	<0.0004	–	6.3	12	–	–	–	–
31-Oct-08	<0.003	49	3.3	<0.0004	<0.030	6.8	12	<0.005	<0.05	<0.003	<0.01
1-Jun-09	<0.003	40	1.7	–	–	6.5	11	–	–	–	–
20-Oct-10	–	21	0.03	–	–	47	80	–	–	–	–
15-Feb-11	–	49	2.2	–	–	7.6	13	–	–	–	–
30-Jun-11	–	41	2.0	–	–	6.7	13	–	–	–	–
26-Oct-12	–	45	3.1	–	–	7.1	16	–	–	–	–
6-Jun-13	<0.02	37	1.7	–	–	5.5	8.5	–	–	–	–
28-Oct-14	–	47	2.8	–	0.006	7.0	16	–	–	–	<0.01
5-May-15	<0.003	35	1.2	–	–	6.2	71	–	–	–	–
2-Nov-16	–	45	0.7	–	–	7.8	14	–	–	–	–
15-Jun-17	<0.005	41	3.1	–	–	7.2	12	–	–	–	–
9-Oct-18	<0.005	39	12.4	–	–	5.5	15	–	–	–	–
19-Jun-19	<0.005	30	24.3	–	<0.040	6.0	13	–	–	–	0.04
3-Dec-20	<0.005	42	2.8	–	<0.040	6.2	17	<0.01	<0.01	<0.01	<0.02
23-Jun-21	<0.005	24	1.2	–	–	<5	<5	–	–	–	–
20-Dec-22	–	37	8.1	–	–	5.8	8	–	–	–	–
10-Jul-23	0.0056	36	4.5	–	–	5.6	11	–	–	–	–
11-Nov-24	<0.005	37	10.9	–	–	6.1	11	–	–	–	–
23-Jun-25	–	32	1.3	–	–	5.3	9	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-8D										
29-Mar-96	48	-80	7.2	2300	—	28	160	1000	1900	90
20-Jun-96	55	120	7.4	1900	22	14	140	990	1900	86
5-Sep-96	55	—	7.4	1900	—	13	160	1200	2000	98
12-Dec-96	48	-60	7	1800	—	3	150	970	2100	120
28-Mar-97	46	10	6.9	1700	—	10	150	1100	2200	130
3-Jun-97	52	-10	7.1	2300	—	6	130	1200	2200	130
30-Sep-97	52	< -80	7.1	2400	20	11	120	1200	2200	150
9-Dec-97	46	105	7.4	2800	—	14	150	1000	2100	130
30-Mar-98	54	-65	7.1	1600	—	4	140	1100	2100	130
22-Oct-98	50	< -80	7.2	1600	< 5	7	140	430	2200	130
10-Jun-99	55	< -80	7	2500	19	37	150	1100	2000	160
7-Oct-99	48	-60	7.2	2200	—	6	150	1400	2200	160
11-May-00	55	-70	7.8	2900	—	3	150	1100	2000	200
19-Oct-00	54	< -80	7.3	1608	22	12	140	1200	1800	120
6-Jun-01	57	-60	7.4	1838	20	7	120	860	2000	110
12-Nov-01	55	-34	7.6	1787	—	34	140	—	2100	200
31-May-02	57	-51	7.6	1851	—	9	130	990	2000	160
21-Nov-02	51	-36	7.1	1683	24	37	140	930	2200	150
16-May-03	51	-20	7.2	1633	10	7	150	1200	2100	170
18-Dec-03	46	-19	7.3	657	—	16	160	940	1800	74
27-May-04	54	-34	7.1	2220	—	6	230	900	1850	119
14-Dec-04	47	-52	8.1	1779	—	116	320	950	2180	143
11-May-05	55	-39	7.3	2220	100	7	140	900	1740	131
17-Nov-05	49	-45	7.3	2500	—	4	200	970	2040	78
29-Dec-06	42	-10	7.4	1860	25	12	130	1100	1740	126
27-Jun-07	54	-62	7.1	992	—	9	110	1100	1740	133
31-Oct-08	51	-22	7.4	1472	20	12	110	1100	1590	126
1-Jun-09	51	185	7.2	1429	—	40	110	1300	2100	181
20-Oct-10	50	23	7.0	915	—	54	540	610	650	16
15-Feb-11	49	21	7.6	1609	—	8	82	1300	2000	139
30-Jun-11	53	-97	7.4	2250	—	7	130	1100	1800	121
26-Oct-12	59	98	6.6	2594	—	19	120	1700	2100	165
6-Jun-13	57	-33	7.4	2520	—	16	124	1031	2156	215
28-Oct-14	52	-69	7.5	2320	—	70	127	1120	1780	86
5-May-15	59	-56	7.6	2190	—	25	125	1600	2000	145
2-Nov-16	56	52	7.6	2260	—	20	134	1280	1760	110
15-Jun-17	63	23	7.2	1949	—	11	146	1340	1720	103
9-Oct-18	66	-12	7.3	2310	—	16	140	1100	1750	107
19-Jun-19	58	-90	7.3	2360	—	9	125	1170	1620	182
3-Dec-20	55	-156	8.9	1613	—	75	222	—	1390	62
23-Jun-21	65	-113	8.3	1744	—	35	154	820	1350	67
20-Dec-22	55	-26	7.5	1533	250	28	170	938	1350	43
10-Jul-23	55	-55	7.9	1656	—	12	150	892	1305	57
19-Nov-24	49	-34	7.6	1780	—	9	175	838	1450	57
23-Jun-25	54	-0.8	7.0	1580	—	1.6	190	884	1430	55

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-8D										
29-Mar-96	880	-	< 0.2	3	-	-	< 20	2	< 0.005	-
20-Jun-96	1200	3.2	< 0.2	2.9	3.3	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	1100	-	< 0.2	3	-	-	< 20	1	< 0.005	-
12-Dec-96	1200	-	< 0.2	3.2	-	-	< 20	1	< 0.005	-
28-Mar-97	1100	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
3-Jun-97	1300	-	< 0.2	3.2	-	-	< 20	< 1	< 0.005	-
30-Sep-97	1100	2.9	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1100	-	< 0.2	2.5	-	-	< 20	< 1	< 0.005	-
30-Mar-98	950	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	1100	3.5	< 0.2	3.3	3.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	980	2.9	< 0.2	3.8	3.8	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1100	-	< 0.2	3.6	-	-	< 20	< 1	< 0.005	-
11-May-00	920	-	< 0.2	3.4	-	-	< 20	< 1	< 0.005	-
19-Oct-00	980	3.5	< 0.2	3.2	2.8	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1200	3.2	< 0.2	3.8	3.8	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1300	-	< 0.2	3.9	-	-	< 20	< 1	< 0.005	-
31-May-02	1100	-	< 0.2	3.6	-	-	< 20	< 3	< 0.005	-
21-Nov-02	1300	3	< 0.2	2.6	3.4	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	890	3.6	< 0.2	3.3	3.4	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	220	-	< 0.2	2.5	-	-	< 20	< 3	< 0.005	-
27-May-04	859	-	< 0.2	4	-	-	< 20	< 3	< 0.005	-
14-Dec-04	2250	-	< 0.2	6.6	-	-	< 20	< 3	< 0.005	-
11-May-05	790	3	0.3	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
17-Nov-05	921	-	< 0.2	3.1	-	-	< 20	< 3	< 0.005	-
29-Dec-06	716	3.7	< 0.2	< 0.5	< 0.5	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	153	-	0.2	3.1	-	-	< 20	< 3	< 0.005	-
31-Oct-08	952	3.7	1.4	2.7	2.8	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	1320	-	< 0.2	3.7	-	-	< 20	< 3	< 0.005	-
20-Oct-10	29.5	-	< 0.2	0.6	-	-	20	-	-	-
15-Feb-11	1400	-	-	-	-	-	-	-	-	-
30-Jun-11	1030	-	-	-	-	-	-	-	-	-
26-Oct-12	949	4.0	-	3.6	-	-	-	-	-	-
6-Jun-13	1035	-	-	< 0.05	-	-	5	< 1.0	< 0.010	-
28-Oct-14	976	3.7	-	3.0	3.0	-	< 10	-	< 0.005	< 0.01
5-May-15	1240	-	< 0.1	3.9	-	-	< 10	-	< 0.005	-
2-Nov-16	< 5	4.0	< 0.05	4.1	3.6	-	19	< 1.0	< 0.005	< 0.01
15-Jun-17	942	-	< 0.05	3.9	-	-	28	< 1.0	< 0.005	-
9-Oct-18	1090	-	0.13	3.7	-	-	16	< 1.0	< 0.005	-
19-Jun-19	1370	3.7	< 0.05	3.9	-	< 4	< 10	< 1.0	< 0.010	-
3-Dec-20	< 25	2.6	3.3	0.83	< 0.50	< 2	< 2.0	1.5	< 0.005	< 0.01
23-Jun-21	3280	-	< 0.25	3.4	-	-	< 10	< 1.0	< 0.005	-
20-Dec-22	623	3.9	0.5	2.1	2.7	-	24	1.02	-	-
10-Jul-23	928	-	1.1	0.5	-	-	24	< 1.0	-	-
19-Nov-24	749	-	2.2	0.13	-	-	8	< 1.0	< 0.005	-
23-Jun-25	757	2.9	1.3	0.8	1.3	-	-	1.7	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-8D											
29-Mar-96	–	–	0.024	< 0.3	–	< 0.005	370	–	–	–	3.6
20-Jun-96	0.19	< 0.003	0.024	< 0.3	< 0.005	< 0.005	370	< 0.05	< 0.01	< 0.02	3.6
5-Sep-96	–	–	0.022	< 0.3	–	< 0.005	440	–	–	–	4.1
12-Dec-96	–	–	0.043	< 0.3	–	< 0.005	360	–	–	–	2.8
28-Mar-97	–	–	0.008	< 0.3	–	0.006	400	–	–	–	3.3
3-Jun-97	–	–	0.014	< 0.3	–	< 0.005	430	–	–	–	3.5
30-Sep-97	0.05	< 0.003	0.017	< 0.3	< 0.005	< 0.005	430	< 0.05	< 0.01	< 0.02	3.5
9-Dec-97	–	–	0.016	< 0.3	–	< 0.005	380	–	–	–	3
30-Mar-98	–	–	0.012	< 0.3	–	< 0.005	430	–	–	–	3
22-Oct-98	0.17	< 0.003	0.014	< 0.3	< 0.005	0.005	140	< 0.05	< 0.01	0.02	3.1
10-Jun-99	0.18	< 0.003	0.012	< 0.3	< 0.005	< 0.005	400	< 0.05	< 0.01	0.02	2.7
7-Oct-99	–	–	–	–	–	< 0.005	510	–	–	–	3.5
11-May-00	–	–	–	–	–	< 0.005	390	–	–	–	3
19-Oct-00	0.14	< 0.003	0.017	< 0.3	< 0.005	0.006	450	< 0.05	< 0.01	0.03	3.2
6-Jun-01	0.08	< 0.003	0.01	< 0.3	< 0.005	< 0.005	320	< 0.05	< 0.01	< 0.02	2.9
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	320	–	–	–	2.9
31-May-02	–	–	0.013	< 0.3	–	< 0.005	370	–	–	–	2.7
21-Nov-02	0.17	< 0.003	0.017	< 0.3	< 0.005	< 0.005	350	< 0.05	< 0.01	0.03	2.9
16-May-03	0.24	0.015	0.015	< 0.3	< 0.005	0.007	440	< 0.05	< 0.01	0.02	3.3
18-Dec-03	–	–	0.03	< 0.3	–	< 0.005	350	–	–	–	5.1
27-May-04	–	–	0.011	< 0.3	–	< 0.005	340	–	–	–	3.4
14-Dec-04	–	–	0.098	< 0.3	–	0.008	350	–	–	–	8.5
11-May-05	0.13	< 0.003	0.02	< 0.3	< 0.005	< 0.005	340	< 0.05	< 0.01	0.042	2.8
17-Nov-05	–	–	0.015	< 0.3	–	< 0.005	360	–	–	–	2.7
29-Dec-06	0.29	< 0.003	0.017	< 0.3	< 0.005	< 0.005	410	< 0.05	< 0.01	< 0.02	4.3
27-Jun-07	–	–	0.011	< 0.3	–	< 0.005	390	–	–	–	3.3
31-Oct-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	< 0.02	0.3
1-Jun-09	–	–	–	–	–	< 0.005	480	–	–	–	2.3
20-Oct-10	–	–	–	–	–	–	180	–	–	–	5.3
15-Feb-11	–	–	–	–	–	–	490	–	–	–	3.4
30-Jun-11	–	–	–	–	–	–	420	–	–	–	3.7
26-Oct-12	–	–	–	–	–	–	480	–	–	–	4.1
6-Jun-13	–	–	–	–	–	< 0.005	413	–	–	–	3.2
28-Oct-14	–	–	0.03	0.01	–	–	419	–	–	–	5.1
5-May-15	–	–	–	–	–	< 0.005	438	–	–	–	3.9
2-Nov-16	–	–	–	–	–	< 0.0025	509	–	–	–	0.5
15-Jun-17	–	–	–	–	–	< 0.0025	543	–	–	–	0.7
9-Oct-18	–	–	–	–	–	< 0.0025	428	–	–	–	1.3
19-Jun-19	< 0.2	< 0.010	< 0.010	< 0.2	< 0.005	< 0.0025	439	< 0.01	–	< 0.025	1.2
3-Dec-20	0.68	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	272	< 0.01	–	< 0.025	6.5
23-Jun-21	–	–	–	–	–	< 0.0025	319	–	–	–	1.9
20-Dec-22	0.63	–	–	0.03	–	–	339	–	–	–	6.4
10-Jul-23	–	–	–	–	–	< 0.0033	301	–	–	–	1.6
19-Nov-24	–	–	–	–	–	< 0.005	306	–	–	–	0.7
23-Jun-25	–	–	–	.03	–	–	323	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-8D											
29-Mar-96	< 0.001	18	0.08	< 0.0004	–	54	54	–	–	–	–
20-Jun-96	0.007	17	0.07	0.0008	< 0.03	43	49	0.002	< 0.05	< 0.003	0.03
5-Sep-96	0.002	22	0.08	< 0.0004	–	21	53	–	–	–	–
12-Dec-96	< 0.001	16	0.06	< 0.0004	–	47	68	–	–	–	–
28-Mar-97	< 0.001	18	0.07	< 0.0004	–	40	60	–	–	–	–
3-Jun-97	0.002	20	0.08	< 0.0004	–	66	70	–	–	–	–
30-Sep-97	< 0.001	20	0.08	< 0.0004	< 0.03	66	94	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.003	16	0.07	< 0.0004	–	68	93	–	–	–	–
30-Mar-98	< 0.001	18	0.07	< 0.0004	–	58	82	–	–	–	–
22-Oct-98	< 0.001	19	0.09	< 0.0004	0.07	56	83	< 0.001	< 0.05	< 0.003	0.04
10-Jun-99	< 0.001	17	0.07	< 0.0004	0.05	57	75	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.003	22	0.08	–	–	56	84	–	–	–	–
11-May-00	< 0.001	19	0.07	–	–	45	78	–	–	–	–
19-Oct-00	< 0.001	18	0.07	< 0.0004	0.07	47	66	< 0.001	0.07	0.05	< 0.01
6-Jun-01	0.001	16	0.06	< 0.0004	< 0.03	58	77	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	14	0.06	< 0.0004	–	49	73	–	–	–	–
31-May-02	0.002	17	0.06	< 0.0004	–	48	77	–	–	–	–
21-Nov-02	< 0.001	15	0.06	< 0.0004	< 0.03	37	59	< 0.005	< 0.05	< 0.003	0.01
16-May-03	< 0.001	19	0.08	< 0.0004	0.06	51	74	< 0.005	< 0.05	0.007	0.03
18-Dec-03	< 0.001	16	0.07	< 0.0004	–	48	55	–	–	–	–
27-May-04	< 0.001	15	0.06	< 0.0004	–	44	53	–	–	–	–
14-Dec-04	0.002	18	0.13	< 0.0004	–	47	69	–	–	–	–
11-May-05	< 0.001	16	0.07	< 0.0004	< 0.03	47	67	< 0.005	< 0.05	< 0.003	< 0.1
17-Nov-05	< 0.002	16	0.14	< 0.0004	–	38	54	–	–	–	–
29-Dec-06	< 0.003	19	0.1	< 0.0004	< 0.03	56	67	< 0.005	< 0.05	0.012	1.8
27-Jun-07	< 0.002	18	0.09	< 0.0004	–	60	72	–	–	–	–
31-Oct-08	< 0.003	21	< 0.02	< 0.0004	< 0.03	49	81	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	19	0.08	–	–	48	110	–	–	–	–
20-Oct-10	–	39	1.4	–	–	8	13	–	–	–	–
15-Feb-11	–	21	0.08	–	–	63	100	–	–	–	–
30-Jun-11	–	19	0.07	–	–	41	83	–	–	–	–
26-Oct-12	–	23	0.1	–	–	30	140	–	–	–	–
6-Jun-13	< 0.02	19	0.07	–	–	58	83	–	–	–	–
28-Oct-14	–	19	0.09	–	0.006	58	69	–	–	–	< 0.01
5-May-15	< 0.003	20	0.09	–	–	67	86	–	–	–	–
2-Nov-16	< 0.005	21	0.1	–	–	67	98	–	–	–	–
15-Jun-17	< 0.005	22	0.1	–	–	70	103	–	–	–	–
9-Oct-18	< 0.005	18	0.11	–	–	57	80	–	–	–	–
19-Jun-19	< 0.005	19	0.09	–	< 0.04	59	87	< 0.01	–	–	< 0.02
3-Dec-20	< 0.005	27	0.34	–	< 0.04	38	73	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	15	0.11	–	–	47	46	–	–	–	–
20-Dec-22	–	19	0.61	–	–	43	44	–	–	–	0.03
10-Jul-23	0.0056	14.3	0.16	–	–	41	41	–	–	–	–
19-Nov-24	< 0.005	18	0.12	–	–	49	47	–	–	–	–
23-Jun-25	–	19	0.25	–	–	44	43	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-9S										
29-Mar-96	45	-60	7.6	740	—	38	350	300	400	11
20-Jun-96	52	285	7.3	620	90	85	210	300	370	10
5-Sep-96	59	25	7.8	860	—	182	290	370	430	11
12-Dec-96	46	55	7.7	540	—	277	300	340	410	13
28-Mar-97	45	165	7.7	480	—	40	340	280	390	15
4-Jun-97	52	180	7.7	630	—	48	320	330	400	15
30-Sep-97	54	65	7.7	710	16	12	300	310	480	15
9-Dec-97	46	135	7.9	770	—	49	390	270	420	20
31-Mar-98	54	-50	7.6	740	—	409	280	320	420	18
22-Oct-98	52	< -80	7.4	660	12	261	290	360	490	21
10-Jun-99	12	< -30	7.5	740	8	326	290	320	180	28
7-Oct-99	46	55	7.5	870	—	101	310	410	380	23
11-May-00	54	10	8.3	1050	—	398	280	350	400	31
19-Oct-00	55	10	8	630	12	22	310	350	440	36
6-Jun-01	54	-71	7.5	572	60	70	270	300	410	31
12-Nov-01	49	-61	8.1	480	—	45	280	—	420	21
31-May-02	53	-72	8	531	—	19	290	290	330	24
21-Nov-02	51	-52	7.3	680	11	16	300	320	410	23
20-May-03	49	-49	7.7	557	14	30	310	310	490	40
18-Dec-03	47	-108	8.9	455	—	10	260	320	480	52
27-May-04	51	-61	7.6	846	—	6	240	230	375	48
14-Dec-04	49	-76	8.5	609	—	16	410	250	498	62
11-May-05	52	-50	7.7	694	50	8	290	280	347	44
17-Nov-05	49	-50	7.7	718	—	4	200	240	527	46
29-Dec-06	46	-17	7.7	633	12	10	260	280	452	53
27-Jun-07	53	-68	7.2	421	—	32	260	310	410	62
31-Oct-08	50	-43	7.8	613	30	10	250	410	400	64
1-Jun-09	47	163	7.7	319	—	48	230	300	390	54
20-Oct-10	53	91	8.0	690	—	173	260	390	490	63
30-Jun-11	51	-15	7.8	687	—	10.2	250	340	480	72
26-Oct-12	62	67	6.9	739	—	79	260	410	620	64
6-Jun-13	56	78	7.8	776	—	122	256	157	494	70
28-Oct-14	52	38	8.0	830	—	37	267	367	468	78
5-May-15	57	28	7.5	750	—	98	255	550	484	81
2-Nov-16	54	5	8.2	727	< 5.0	20	266	300	459	94
15-Jun-17	52	-30	7.4	670	—	5.5	298	400	463	72
9-Oct-18	66	-31	7.6	820	—	25	274	320	438	94
19-Jun-19	62	-31	7.3	822	—	18	274	300	454	104
3-Dec-20	59	-157	8.9	831	—	800	313	---	489	73
3-Jun-21	56	-142	8.9	795	—	340	424	480	350	78
20-Dec-22	42	-60	8.1	795	1000	63	300	303	450	90
10-Jul-23	59	-68	8.2	786	—	450	174	566	434	77
19-Nov-24	53	-67	8.9	790	—	>2000	269	1880	429	76
23-Jun-25	55	-16	7.3	780	—	32	261	326	420	76

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-9S										
29-Mar-96	54	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
20-Jun-96	82	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	85	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
12-Dec-96	85	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
28-Mar-97	70	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
4-Jun-97	84	-	< 0.2	< 0.5	-	-	< 20	3	< 0.005	-
30-Sep-97	71	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	61	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
31-Mar-98	62	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	76	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	66	< 0.1	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	68	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
11-May-00	67	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	56	< 0.1	0.3	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	120	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	83	-	< 0.2	0.8	-	-	< 20	< 1	< 0.005	-
31-May-02	42	-	< 0.2	< 0.5	-	-	< 20	4	< 0.005	-
21-Nov-02	48	< 0.5	1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
20-May-03	45	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	68	-	< 0.2	< 0.5	-	-	28	3	< 0.005	-
27-May-04	34	-	1.4	< 0.5	-	-	21	5	< 0.005	-
14-Dec-04	48	-	0.9	< 0.5	-	-	21	3	< 0.005	-
11-May-05	35	< 0.5	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	0.006	< 0.01
17-Nov-05	28	-	1.8	< 0.5	-	-	21	3	< 0.005	-
29-Dec-06	23	< 0.5	1.5	< 0.5	< 0.5	4	< 20	3	< 0.005	< 0.01
27-Jun-07	61	-	0.3	< 0.5	-	-	< 20	4	< 0.005	-
31-Oct-08	36	< 0.5	1.1	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	51	-	0.4	< 0.5	-	-	< 20	< 3	< 0.005	-
20-Oct-10	51	-	< 0.2	-	-	-	-	-	-	-
30-Jun-11	43	-	0.6	-	-	-	-	-	-	-
26-Oct-12	47	-	-	-	-	-	-	-	-	-
6-Jun-13	49	-	< 0.05	< 0.01	-	-	< 5.0	< 1.0	< 0.010	-
28-Oct-14	50	-	0.12	-	0.6	-	< 10	1.2	< 0.005	< 0.01
5-May-15	54	-	< 0.1	< 0.1	-	-	< 10	-	< 0.005	-
2-Nov-16	67	-	< 0.05	< 0.1	0.25	-	< 10	1.6	< 0.005	< 0.01
15-Jun-17	44	-	< 0.05	< 0.1	-	-	238	1.2	< 0.005	-
9-Oct-18	81	-	< 0.05	< 0.1	-	-	18	< 1.0	0.008	-
19-Jun-19	72	< 0.05	< 0.05	0.11	-	-	< 10	2.6	< 0.010	-
3-Dec-20	52	0.054	0.13	< 0.1	0.76	< 4	61	1.6	< 0.005	< 0.01
3-Jun-21	52	-	< 0.25	< 0.1	-	-	16	1.6	< 0.005	-
20-Dec-22	17	-	0.15	0.1	2.1	-	47	1.2	-	-
10-Jul-23	49	-	0.43	0.26	-	-	95	1.3	< 0.005	-
19-Nov-24	42	-	< 0.1	0.18	-	-	36	2	< 0.005	-
23-Jun-25	43	-	-	-	0.5	-	-	1.3	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS

GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	[0.003]	0.025	1	[0.003]	0.01	—	0.05	0.05	0.2	0.3
MW-9S											
29-Mar-96	—	—	0.002	< 0.3	—	< 0.005	52	—	—	—	0.74
20-Jun-96	0.55	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	49	< 0.05	< 0.01	< 0.02	1.3
5-Sep-96	—	—	0.001	< 0.3	—	< 0.005	63	—	—	—	1.9
12-Dec-96	—	—	0.001	< 0.3	—	< 0.005	60	—	—	—	4.5
28-Mar-97	—	—	0.002	< 0.3	—	< 0.005	48	—	—	—	0.45
3-Jun-97	—	—	0.001	< 0.3	—	< 0.005	56	—	—	—	0.83
30-Sep-97	0.25	< 0.003	0.003	< 0.3	< 0.005	< 0.005	53	< 0.05	< 0.01	< 0.02	0.68
9-Dec-97	—	—	0.002	< 0.3	—	< 0.005	49	—	—	—	0.14
30-Mar-98	—	—	0.002	< 0.3	—	< 0.005	61	—	—	—	4.1
22-Oct-98	5.1	< 0.003	0.003	< 0.3	< 0.005	< 0.005	64	< 0.05	< 0.01	0.02	8.7
10-Jun-99	1.6	< 0.003	0.001	< 0.3	< 0.005	< 0.005	57	< 0.05	< 0.01	< 0.02	2.4
7-Oct-99	—	—	—	—	—	< 0.005	73	—	—	—	2.1
11-May-00	—	—	—	—	—	< 0.005	61	—	—	—	4.6
19-Oct-00	0.26	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	1.7
6-Jun-01	0.89	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	51	< 0.05	< 0.01	< 0.02	1.9
12-Nov-01	—	—	< 0.010	< 0.3	—	< 0.005	55	—	—	—	1.3
31-May-02	—	—	< 0.010	< 0.3	—	< 0.005	48	—	—	—	1.2
21-Nov-02	0.58	< 0.003	< 0.010	< 0.3	< 0.005	0.005	55	< 0.05	< 0.01	< 0.02	0.84
16-May-03	0.35	< 0.003	< 0.010	< 0.3	< 0.005	0.007	53	< 0.05	< 0.01	< 0.02	0.42
18-Dec-03	—	—	< 0.010	< 0.3	—	< 0.005	68	—	—	—	3.1
27-May-04	—	—	< 0.010	< 0.3	—	< 0.005	48	—	—	—	2.6
14-Dec-04	—	—	0.02	< 0.3	—	< 0.005	66	—	—	—	1.4
11-May-05	0.38	< 0.003	0.011	< 0.3	< 0.005	< 0.005	48	< 0.05	< 0.01	0.09	2
17-Nov-05	—	—	< 0.010	< 0.3	—	< 0.005	64	—	—	—	0.28
29-Dec-06	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	73	< 0.05	< 0.01	< 0.02	1.1
27-Jun-07	—	—	< 0.010	< 0.3	—	< 0.005	59	—	—	—	0.9
31-Oct-08	0.09	0.099	0.01	< 0.3	< 0.005	< 0.005	63	< 0.05	< 0.01	< 0.02	1.2
1-Jun-09	—	—	—	—	—	< 0.005	58	—	—	—	1.6
20-Oct-10	—	—	—	—	—	—	73	—	—	—	2.7
30-Jun-11	—	—	—	—	—	—	69	—	—	—	2.2
26-Oct-12	0.9	—	—	—	—	—	83	—	—	—	0.9
6-Jun-13	—	—	—	—	—	< 0.005	63	—	—	—	1.7
28-Oct-14	0.19	—	—	0.07	—	—	62	—	—	—	0.9
5-May-15	—	—	—	—	—	< 0.005	63	—	—	—	2.6
2-Nov-16	1.9	—	—	—	—	< 0.0025	70	—	—	—	3.4
15-Jun-17	—	—	—	—	—	< 0.0025	66	—	—	—	0.6
9-Oct-18	—	—	—	—	—	< 0.0025	63	—	—	—	1.4
19-Jun-19	0.26	< 0.060	< 0.010	0.2	< 0.005	< 0.0025	63	< 0.01	—	< 0.025	0.8
3-Dec-20	8.2	< 0.060	< 0.010	< 0.2	< 0.005	< 0.0025	106	0.02	—	< 0.025	21.2
3-Jun-21	—	—	—	—	—	< 0.0025	99	—	—	—	4.7
20-Dec-22	5.9	—	—	0.11	—	—	78	0.01	—	—	6.5
10-Jul-23	—	—	—	—	—	< 0.0033	129	—	—	—	6.7
19-Nov-24	—	—	—	—	—	< 0.0033	459	—	—	—	185
23-Jun-25	0.3	—	—	0.06	—	—	56	—	—	—	0.7

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	TI (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9S											
29-Mar-96	0.004	41	0.13	< 0.0004	–	1.7	17	–	–	–	–
20-Jun-96	0.003	44	0.15	0.0008	< 0.03	2.1	20	0.002	< 0.05	< 0.003	0.05
5-Sep-96	0.004	52	0.09	< 0.0004	–	2.5	18	–	–	–	–
12-Dec-96	0.003	45	0.17	< 0.0004	–	3.2	19	–	–	–	–
28-Mar-97	0.001	39	0.08	< 0.0004	–	1.6	18	–	–	–	–
3-Jun-97	0.005	46	0.13	< 0.0004	–	1.7	19	–	–	–	–
30-Sep-97	0.003	44	0.09	< 0.0004	< 0.03	1.8	22	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	0.002	37	0.04	< 0.0004	–	2.8	28	–	–	–	–
30-Mar-98	0.007	41	0.09	< 0.0004	–	3.6	22	–	–	–	–
22-Oct-98	< 0.001	49	0.27	< 0.0004	0.07	5.4	20	< 0.001	< 0.05	< 0.003	0.05
10-Jun-99	0.003	43	0.07	< 0.0004	< 0.03	4.6	25	< 0.001	< 0.05	< 0.003	0.05
7-Oct-99	0.009	55	0.09	–	–	3.1	24	–	–	–	–
11-May-00	0.004	47	0.12	–	–	4.2	21	–	–	–	–
19-Oct-00	0.006	48	0.13	< 0.0004	0.05	4.3	22	< 0.001	< 0.05	0.013	0.02
6-Jun-01	0.003	42	0.14	< 0.0004	< 0.03	4.6	21	< 0.001	< 0.05	< 0.003	0.01
12-Nov-01	< 0.001	46	0.11	< 0.0004	–	3.3	21	–	–	–	–
31-May-02	0.002	42	0.1	< 0.0004	–	2.3	19	–	–	–	–
21-Nov-02	0.007	45	0.06	< 0.0004	< 0.03	2.7	19	< 0.005	< 0.05	< 0.003	0.03
16-May-03	0.002	42	0.09	< 0.0004	0.04	1.8	19	< 0.005	< 0.05	< 0.003	0.03
18-Dec-03	< 0.001	36	0.18	< 0.0004	–	2.9	33	–	–	–	–
27-May-04	0.002	26	0.07	< 0.0004	–	1.4	23	–	–	–	–
14-Dec-04	0.002	22	0.19	< 0.0004	–	3	25	–	–	–	–
11-May-05	0.003	40	0.44	< 0.0004	0.05	2.8	22	< 0.005	< 0.05	< 0.003	0.05
17-Nov-05	< 0.001	20	0.48	< 0.0004	–	2.9	23	–	–	–	–
29-Dec-06	< 0.003	23	0.17	< 0.0004	< 0.03	2.4	28	< 0.005	< 0.05	0.006	0.26
27-Jun-07	< 0.001	39	0.08	< 0.0004	–	2.8	27	–	–	–	–
31-Oct-08	0.006	62	0.2	< 0.0004	< 0.03	2.6	36	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	38	0.1	–	–	2.9	27	–	–	–	–
20-Oct-10	–	50	0.21	–	–	3.6	34	–	–	–	–
30-Jun-11	–	40	0.11	–	–	3.6	38	–	–	–	–
26-Oct-12	–	48	0.02	–	–	3.5	34	–	–	–	–
6-Jun-13	< 0.02	45	0.06	–	–	3.1	28	–	–	–	–
28-Oct-14	–	52	0.08	–	–	2.5	32	–	–	–	–
5-May-15	< 0.003	48	0.08	–	–	< 5.0	30	–	–	–	–
2-Nov-16	< 0.005	51	0.17	–	–	< 5.0	30	–	–	–	–
15-Jun-17	< 0.005	52	0.09	–	–	< 5.0	28	–	–	–	–
9-Oct-18	< 0.005	49	0.07	–	–	< 5.0	32	–	–	–	–
19-Jun-19	< 0.005	46	0.12	–	< 0.04	< 5.0	34	–	–	–	< 0.02
3-Dec-20	< 0.005	64	0.63	–	0.06	6.7	33	< 0.01	< 0.01	< 0.01	0.028
3-Jun-21	< 0.005	57	0.37	–	–	< 5.0	30	–	–	–	–
20-Dec-22	–	54	0.21	–	–	5.3	40	–	–	–	–
10-Jul-23	0.0056	60	0.46	–	–	3.8	36	–	–	–	–
19-Nov-24	0.04	177	3.04	–	–	64.2	43	–	–	–	–
23-Jun-25	–	45	0.07	–	–	2.4	38	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (std.Units)	SPEC. COND (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/l CaCO ₃)	HARD. (mg/l CaCO ₃)	TDS (mg/l)	Cl (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
MW-9D										
29-Mar-96	45	-60	7.2	2900	—	2	160	1300	2600	10
20-Jun-96	55	115	7.3	2600	110	0	140	1300	2600	180
5-Sep-96	57	—	7.7	2200	—	4	180	1500	2600	160
12-Dec-96	48	-45	7.1	2000	—	1	140	1300	2500	180
28-Mar-97	45	15	7.1	2000	—	19	170	1200	2600	170
3-Jun-97	52	-30	7.3	2700	—	2	150	1300	2600	170
30-Sep-97	54	< -80	7.3	2800	19	1	150	1400	2600	180
9-Dec-97	46	165	7.4	3200	—	4	180	1100	2600	170
31-Mar-98	52	-55	7.3	2300	—	1	150	1300	2600	170
22-Oct-98	50	< -80	7.2	1800	< 5	1	150	460	2600	160
10-Jun-99	54	< -80	7.1	2900	16	31	150	1300	2500	180
7-Oct-99	48	< -80	7.3	2600	—	2	160	1500	2600	220
11-May-00	57	< -80	8.2	3400	—	3	160	1300	2500	280
19-Oct-00	53	< -80	7.5	2370	30	18	160	1600	2600	190
6-Jun-01	57	-61	7.4	2320	5	4	140	1200	2600	170
12-Nov-01	46	-29	7.5	1583	—	31	150	—	2800	210
31-May-02	57	-52	7.6	2330	—	2	140	1300	2500	170
21-Nov-02	51	-35	7	2060	26	28	160	1300	2400	180
20-May-03	50	-19	7.2	1445	21	15	160	1400	2600	210
18-Dec-03	47	-72	8.3	1844	—	9	170	1300	2600	170
27-May-04	52	-33	7.1	2840	—	1	160	1200	2470	158
14-Dec-04	49	-53	8.1	2470	—	2	280	1200	2310	181
11-May-05	55	-30	7.3	2820	100	1	160	1100	2360	242
17-Nov-05	48	-40	7.2	2970	—	1	160	1300	2450	133
29-Dec-06	44	-34	7.3	2740	15	47	150	1400	2450	191
27-Jun-07	52	-44	6.8	1108	—	1	120	1400	2310	188
31-Oct-08	51	-22	7.4	1977	20	3	130	1700	2430	200
1-Jun-09	50	194	7.1	1512	—	19	140	1600	2500	180
20-Oct-10	51	19	7.5	2026	—	23	130	1700	2100	164
30-Jun-11	52	-90	7.4	2928	—	4	150	1500	2500	148
26-Oct-12	57	29	6.7	2954	—	18	150	1900	2400	196
6-Jun-13	56	-15	7.4	3040	—	19.5	152	1288	2684	210
28-Oct-14	50	-20	7.4	3100	—	40	142	1600	2610	202
5-May-15	55	-18	7.4	2690	—	31	140	2800	2500	186
2-Nov-16	57	42	7.1	2550	5	21	147	1400	2340	244
15-Jun-17	63	34	7.5	2110	—	11	146	1650	2430	161
9-Oct-18	59	-31	7.1	2090	—	10	152	1440	2490	296
19-Jun-19	63	-65	7.1	2950	—	6	146	1450	2420	261
3-Dec-20	59	-123	8.4	1417	30	20	133	---	1770	98
23-Jun-21	57	-136	8.5	2370	—	13	154	1540	2340	801
20-Dec-22	45	-54	8	2170	500	10	140	1140	2150	145
10-Jul-23	56	-31	7.5	2400	—	12	149	1460	2380	177
19-Nov-24	52	-60	8.1	300	—	68	148	1320	2480	197
23-Jun-25	55	-0.1	7.0	270	—	1.2	145	1310	2240	193

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

INORGANIC PARAMETERS

GROUND WATER	SO4 (mg/l)	BORON (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	BOD-5 (mg/l)	COD (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1.0	10	2	-	-	-	-	0.005	0.1
MW-9D										
29-Mar-96	1100	-	< 0.2	4.5	-	-	< 20	3	< 0.005	-
20-Jun-96	1500	3.1	< 0.2	4.1	4.8	< 4	< 20	2	< 0.005	< 0.01
5-Sep-96	1400	-	< 0.2	4	-	-	< 20	< 1	< 0.005	-
12-Dec-96	1400	-	< 0.2	4.3	-	-	< 20	< 1	< 0.005	-
28-Mar-97	1400	-	< 0.2	3	-	-	< 20	< 1	< 0.005	-
3-Jun-97	1400	-	< 0.2	4.6	-	-	< 20	< 1	< 0.005	-
30-Sep-97	1100	2.6	< 0.2	4.6	4.1	< 4	< 20	< 1	< 0.005	< 0.01
9-Dec-97	1400	-	< 0.2	3.5	-	-	< 20	< 1	< 0.005	-
31-Mar-98	1100	-	< 0.2	4.3	-	-	< 20	< 1	< 0.005	-
22-Oct-98	1200	3.6	< 0.2	4.5	4.2	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	1300	2.9	< 0.2	3.5	5.6	< 4	< 20	< 1	< 0.005	< 0.01
7-Oct-99	1300	-	< 0.2	3.8	-	-	< 20	< 1	< 0.005	-
11-May-00	850	-	< 0.2	4.4	-	-	< 20	< 1	< 0.005	-
19-Oct-00	1300	3.7	< 0.2	4.9	4.2	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	1700	3.1	< 0.2	4.3	4.6	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	1800	-	< 0.2	4.1	-	-	< 20	< 1	< 0.005	-
31-May-02	1500	-	< 0.2	4.2	-	-	22	< 1	< 0.005	-
21-Nov-02	1500	3.2	< 0.2	4.5	4.4	< 4	< 20	< 1	< 0.005	< 0.01
20-May-03	960	3.4	< 0.2	3.6	3.9	< 4	< 20	< 3	< 0.005	< 0.01
18-Dec-03	240	-	< 0.2	3.9	-	-	< 20	3	< 0.005	-
27-May-04	865	-	< 0.2	3.8	-	-	< 20	< 3	< 0.005	-
14-Dec-04	2120	-	< 0.2	4.6	-	-	< 20	< 3	< 0.005	-
11-May-05	1210	2.7	< 0.2	< 0.5	< 0.5	7	< 20	< 3	< 0.005	< 0.01
17-Nov-05	1500	-	0.4	4.6	-	-	< 20	< 3	< 0.005	-
29-Dec-06	889	3.4	< 0.2	4.6	2.6	6	< 20	< 3	< 0.005	< 0.01
27-Jun-07	160	-	0.3	4.2	-	-	29	< 3	< 0.005	-
31-Oct-08	1290	3.8	0.4	3.8	3.9	< 4	< 20	< 3	< 0.005	< 0.01
1-Jun-09	931	-	< 0.2	4.4	-	-	< 20	< 3	< 0.005	-
20-Oct-10	1090	-	-	3.4	-	-	-	-	< 0.005	-
30-Jun-11	2320	-	-	4.0	-	-	-	-	-	-
26-Oct-12	822	3.5	-	4.9	-	-	-	-	-	-
6-Jun-13	1440	-	< 0.05	4.5	-	-	< 5.0	< 1.0	< 0.010	-
28-Oct-14	1370	3.7	-	4.2	4.1	-	-	-	0.0071	< 0.01
5-May-15	1520	-	< 0.1	4.5	-	-	< 10	-	< 0.005	-
2-Nov-16	1490	3.6	0.06	4.5	3.9	-	17	< 1.0	< 0.005	-
15-Jun-17	1200	-	0.05	4.2	-	-	44.2	< 1.0	< 0.005	-
9-Oct-18	1740	-	< 0.05	4.6	-	-	18	< 1.0	< 0.005	-
19-Jun-19	1910	3.5	< 0.05	4.8	-	-	< 10	< 1.0	< 0.010	-
3-Dec-20	689	1.4	3.2	0.7	0.7	-	31	3.1	< 0.005	< 0.01
23-Jun-21	< 5.0	-	< 0.025	5.0	-	-	16	< 1.0	0.0052	-
20-Dec-22	1140	3.4	0.08	3.7	5.3	-	56	1.2	-	-
10-Jul-23	1430	-	1.12	3.7	-	-	32	2.0	< 0.005	-
19-Nov-24	1340	-	1	4.2	-	-	8	3.8	< 0.005	-
23-Jun-25	1270	3.2	-	-	7.2	33	60	20	-	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	–	[0.003]	0.025	1	[0.003]	0.01	–	0.05	0.05	0.2	0.3
MW-9D											
29-Mar-96	–	–	0.006	< 0.3	–	< 0.005	470	–	–	–	2.6
20-Jun-96	0.55	< 0.003	0.005	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	< 0.02	3
5-Sep-96	–	–	0.007	< 0.3	–	< 0.005	540	–	–	–	4
12-Dec-96	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	2.4
28-Mar-97	–	–	0.006	< 0.3	–	< 0.005	440	–	–	–	2.4
3-Jun-97	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	3
30-Sep-97	< 0.05	< 0.003	0.005	< 0.3	< 0.005	< 0.005	510	< 0.05	< 0.01	< 0.02	3.1
9-Dec-97	–	–	0.006	< 0.3	–	< 0.005	430	–	–	–	2.5
30-Mar-98	–	–	0.006	< 0.3	–	< 0.005	490	–	–	–	2.5
22-Oct-98	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	150	< 0.05	< 0.01	< 0.02	2.9
10-Jun-99	0.1	< 0.003	0.007	< 0.3	< 0.005	< 0.005	490	< 0.05	< 0.01	0.04	2.8
7-Oct-99	–	–	–	–	–	< 0.005	550	–	–	–	3.1
11-May-00	–	–	–	–	–	< 0.005	480	–	–	–	2.9
19-Oct-00	< 0.005	< 0.003	0.005	< 0.3	< 0.005	< 0.005	590	< 0.05	< 0.01	0.02	3
6-Jun-01	0.07	< 0.003	0.005	< 0.3	< 0.005	< 0.005	450	< 0.05	< 0.01	< 0.02	2.7
12-Nov-01	–	–	< 0.010	< 0.3	–	< 0.005	440	–	–	–	2.5
31-May-02	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	2.7
21-Nov-02	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	480	< 0.05	< 0.01	0.03	2.6
16-May-03	0.25	0.021	< 0.010	< 0.3	< 0.005	0.006	520	< 0.05	< 0.01	0.03	3.4
18-Dec-03	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	3.1
27-May-04	–	–	< 0.010	< 0.3	–	< 0.005	470	–	–	–	4.1
14-Dec-04	–	–	< 0.010	< 0.3	–	< 0.005	450	–	–	–	2.7
11-May-05	0.1	< 0.003	0.014	< 0.3	< 0.005	< 0.005	420	< 0.05	< 0.01	0.04	2.3
17-Nov-05	–	–	0.011	< 0.3	–	< 0.005	490	–	–	–	2.7
29-Dec-06	0.14	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	530	< 0.05	< 0.01	< 0.02	3.5
27-Jun-07	–	–	< 0.010	< 0.3	–	< 0.005	530	–	–	–	2.9
31-Oct-08	< 0.05	0.022	< 0.010	< 0.3	< 0.005	< 0.005	600	< 0.05	< 0.01	< 0.02	1.9
1-Jun-09	–	–	–	–	–	< 0.005	610	–	–	–	2.3
20-Oct-10	–	–	–	–	–	–	630	–	–	–	3.0
30-Jun-11	–	–	–	–	–	–	520	–	–	–	3.4
26-Oct-12	–	–	–	–	–	–	490	–	–	–	3.2
6-Jun-13	–	–	–	–	–	< 0.005	516	–	–	–	3.2
28-Oct-14	–	–	< 0.010	–	–	–	601	–	–	–	3.6
5-May-15	–	–	–	–	–	< 0.005	605	–	–	–	3.3
2-Nov-16	–	–	–	–	–	< 0.0025	586	–	–	–	0.7
15-Jun-17	–	–	–	–	–	< 0.0025	624	–	–	–	1.4
9-Oct-18	–	–	–	–	–	< 0.0025	556	–	–	–	1.2
19-Jun-19	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	545	< 0.01	–	< 0.025	1.6
3-Dec-20	< 0.2	< 0.06	< 0.010	< 0.2	< 0.005	< 0.0025	233	< 0.01	–	< 0.025	0.4
23-Jun-21	–	–	–	–	–	< 0.0025	464	–	–	–	2.2
20-Dec-22	0.21	–	–	–	–	–	551	–	–	–	9.8
10-Jul-23	–	–	–	–	–	< 0.0033	540	–	–	–	5.7
19-Nov-24	–	–	–	–	–	< 0.0033	493	–	–	–	5.4
23-Jun-25	–	–	0.011	–	–	–	487	–	–	–	2.2

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	–	–	20	0.01	0.05	[0.004]	0.3
MW-9D											
29-Mar-96	< 0.001	19	0.08	< 0.0004	–	71	93	–	–	–	–
20-Jun-96	0.005	20	0.08	< 0.0004	< 0.03	60	90	< 0.001	< 0.05	< 0.003	< 0.01
5-Sep-96	0.002	24	0.09	< 0.0004	–	22	88	–	–	–	–
12-Dec-96	< 0.001	19	0.06	< 0.0004	–	56	100	–	–	–	–
28-Mar-97	< 0.001	19	0.07	< 0.0004	–	49	84	–	–	–	–
3-Jun-97	< 0.001	21	0.08	< 0.0004	–	72	96	–	–	–	–
30-Sep-97	< 0.001	22	0.08	< 0.0004	< 0.03	79	120	< 0.001	< 0.05	< 0.003	< 0.01
9-Dec-97	< 0.001	17	0.07	< 0.0004	–	80	120	–	–	–	–
30-Mar-98	< 0.001	19	0.07	< 0.0004	–	71	110	–	–	–	–
22-Oct-98	< 0.001	21	0.09	< 0.0004	0.06	63	110	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	< 0.001	19	0.07	< 0.0004	< 0.03	66	110	< 0.001	< 0.05	< 0.003	0.02
7-Oct-99	0.002	22	0.08	–	–	53	95	–	–	–	–
11-May-00	< 0.001	22	0.07	–	–	57	100	–	–	–	–
19-Oct-00	0.001	21	0.08	< 0.0004	0.06	57	99	< 0.001	< 0.05	0.045	< 0.01
6-Jun-01	< 0.001	18	0.06	< 0.0004	< 0.03	72	120	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	< 0.001	18	0.07	< 0.0004	–	64	110	–	–	–	–
31-May-02	< 0.001	20	0.07	< 0.0004	–	61	110	–	–	–	–
21-Nov-02	< 0.001	19	0.07	< 0.0004	0.04	54	88	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	20	0.08	< 0.0004	0.08	59	98	< 0.005	< 0.05	0.007	0.03
18-Dec-03	< 0.001	20	0.07	< 0.0004	–	64	100	–	–	–	–
27-May-04	< 0.001	19	0.08	< 0.0004	–	57	84	–	–	–	–
14-Dec-04	< 0.001	18	0.07	< 0.0004	–	52	90	–	–	–	–
11-May-05	< 0.001	16	0.07	< 0.0004	< 0.03	53	86	< 0.005	< 0.05	< 0.003	< 0.01
17-Nov-05	< 0.001	19	0.07	< 0.0004	–	54	73	–	–	–	–
29-Dec-06	< 0.003	22	0.09	< 0.0004	< 0.03	69	120	< 0.005	< 0.05	0.015	0.09
27-Jun-07	< 0.001	21	0.08	< 0.0004	–	48	99	–	–	–	–
31-Oct-08	< 0.003	32	0.06	< 0.0004	< 0.03	69	140	< 0.005	< 0.05	< 0.003	< 0.01
1-Jun-09	< 0.003	22	0.08	–	–	58	130	–	–	–	–
20-Oct-10	< 0.003	25	0.08	–	–	66	140	–	–	–	–
30-Jun-11	–	23	0.09	–	–	54	130	–	–	–	–
26-Oct-12	–	24	0.09	–	–	36	170	–	–	–	–
6-Jun-13	< 0.02	22	0.08	–	–	65	104	–	–	–	–
28-Oct-14	–	24	0.09	–	–	76	125	–	–	–	–
5-May-15	< 0.003	25	0.08	–	–	83	118	–	–	–	–
2-Nov-16	< 0.005	23	0.09	–	–	74	123	–	–	–	–
15-Jun-17	< 0.005	24	0.1	–	–	75	119	–	–	–	–
9-Oct-18	< 0.005	22	0.09	–	–	72	130	–	–	–	–
19-Jun-19	< 0.005	22	0.1	–	< 0.04	70	124	< 0.01	–	–	< 0.02
3-Dec-20	< 0.005	20	0.02	–	< 0.04	30	71	< 0.01	< 0.01	< 0.01	0.022
23-Jun-21	< 0.005	19	0.08	–	–	62	98	–	–	–	–
20-Dec-22	–	22	0.14	–	–	61	106	–	–	–	–
10-Jul-23	< 0.00556	22	0.11	–	–	63	110	–	–	–	–
19-Nov-24	< 0.005	22	0.083	–	–	69	114	–	–	–	–
23-Jun-25	–	22	0.085	–	–	66	113	–	–	–	–

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	—	6.5-8.5	—	15	5	—	—	500	250
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	75	295	6.5	260	—	1.87	22	<3	50	<1
22-Oct-98	63	480	6.7	46	<5	2.37	12	3	80	<1
10-Jun-99	73	350	5.4	53	6	0.32	13	3	<10	2
11-May-00	64	350	8.2	50	—	0.24	17	<3	33	1
19-Oct-00	60	5	8.4	268	<5	1.7	53	<3	110	19
6-Jun-01	69	-116	8.3	102	<5	<0.05	16	3	30	3
12-Nov-01	62	-72	8.3	210	—	0.82	22	—	60	1
31-May-02	77	32	6.3	38	—	0.12	<10	3	130	1
21-Nov-02	64	37	6	104	7	0.65	13	<3	<25	2
16-May-03	60	-48	7.7	492	<5	0.65	<10	<3	40	5
19-Dec-03	62	-75	8.3	384	—	<0.05	19	3	130	1
27-May-04	70	-100	8.2	221	—	<0.05	17	<3	<25	2
14-Dec-04	62	-65	7.8	604	—	<0.05	120	<3	120	15
11-May-05	76	-85	8.3	411	—	<0.05	<10	<3	<25	2
17-Nov-05	56	-65	8.2	163	—	,0.05	110	5	137	<1
30-Jun-06	73	-60	8.3	884	—	0.15	13	4	42	3
3-Jan-07	49	-55	8.2	752	7	0.25	<10	5	<25	2
28-Jun-07	64	-53	7	574	—	4.4	170	110	1820	68
31-Dec-07	63	-58	8.3	731	—	,0.05	<10	<3	42	2
29-May-08	61	-90	8	713	—	0.07	170	110	1740	59
28-Aug-08	—	—	—	—	—	0.05	180	87	1790	66
26-Nov-08	67	-85	8.5	559	<5	0.19	<10	<3	<25	4
29-May-09	71	146	8.1	264	—	0.1	12	<3	<25	<1
31-Dec-09	60	97	7.4	281	—	0.76	180	22	1800	58
19-Feb-10	64	178	7.5	293	—	3.71	15	2	30	3
28-Jun-10	66	194	7.9	588	—	0.13	11	—	95	2
18-Nov-10	63	141	7.9	671	—	2.4	140	—	—	16
30-Jun-11	72	19	8	2784	—	0.91	190	41	1900	67
2-Dec-11	49	-36	8	401	—	3.1	200	52	1700	68
27-Apr-12	62	108	7.4	5700	—	0.15	210	75	1700	71
15-Oct-12	64	89	7.6	3250	—	<0.1	200	67	2000	63
4-Jun-13	64	119	6.9	133	—	<1	14	1.1	156	5.5
3-Oct-13	68	3	7.1	2830	—	<1	188	12	1860	55
13-May-14	64	72	7.0	2210	—	—	174	22	1800	61.4
2-Oct-14	52	93	8.0	2830	—	—	169	40.3	1950	59.2
6-May-15	63	92	7.5	2600	—	<1	170	52	1900	56.7
4-Nov-15	66	122	7.5	2120	—	<1	169	40	1790	59.5
25-May-15	62	88	7.6	2740	—	<1	16	<5	121	5
10-Oct-16	60	90	7.7	2720	<5	<1	176	38	915	65
29-Jun-17	62	29	6.5	221	—	<1	14	15	102	4
9-Nov-17	55	-140	6.4	147	—	1	9	<5	39	4
26-Apr-18	60	42	6.5	225	—	<1	33	<5	78	3.7
17-Oct-18	63	-34	6.5	284	—	<1	21	12	148	6.6
11-Jun-19	67	-65	7.0	87	—	<1	10	<5	60	3.2
10-Dec-19	61	-32	6.7	102	—	<1	11	<5	92	3.3
22-Jun-20	67	-42	6.6	72	—	<1	13	<5	65	4.6
3-Dec-20	61	-111	8.4	202	<5	<1	12	<5	100	3.5
23-Jun-21	66	-88	7.6	145	—	<1	13	<5	112	4.6
18-Nov-21	60	44	6.7	125	—	<1	11	12	67	4
1-Jun-22	59	42	7.0	121	—	1.2	63	<5	128	27
20-Dec-22	49	-69	8.2	2460	—	<1	200	34	1850	57
10-Jul-23	47	-66	8.0	2520	—	18	111	3	188	34
20-Nov-23	47	-61	7.7	2362	—	5	27	2	322	47
18-Jul-24	70	-38	7.8	3000	—	<1	67	6.6	175	20
18-Nov-24	52	-80	8.6	370	—	7	66	6.6	200	27
23-Jun-25	54	-23	7.3	540	—	<1	72	6.6	317	39

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	-	-	-	-	0.001	0.1
RW-A (MILLER) KITCHEN TAP										
31-Mar-98	10	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
22-Oct-98	< 5	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
10-Jun-99	9	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
11-May-00	9	-	< 0.2	< 0.5	-	-	< 20	< 1	< 0.005	-
19-Oct-00	16	3.1	0.8	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
6-Jun-01	7	1.2	< 0.2	< 0.5	< 0.5	< 4	< 20	< 1	< 0.005	< 0.01
12-Nov-01	11	-	< 0.2	< 0.5	-	-	< 20	3	< 0.005	-
31-May-02	6	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
21-Nov-02	18	1.7	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
16-May-03	7	1.4	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
19-Dec-03	50	-	< 0.2	3.1	-	-	< 20	< 3	< 0.005	-
27-May-04	< 5	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
14-Dec-04	57	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
11-May-05	< 5	-	< 0.2	< 0.5	-	< 4	< 20	< 3	0.007	-
17-Nov-05	8	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
30-Jun-06	< 5	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
3-Jan-07	< 5	1.4	< 0.2	< 0.5	< 0.5	5	< 20	< 3	< 0.005	< 0.01
28-Jun-07	157	-	0.5	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Dec-07	< 5	-	< 0.2	< 0.5	-	-	< 20	< 3	< 0.005	-
29-May-08	1100	-	< 0.2	0.9	-	-	< 20	< 3	< 0.005	-
28-Aug-08	1330	-	0.5	< 0.5	-	-	< 20	< 3	< 0.005	-
26-Nov-08	9	1.4	< 0.2	< 0.5	< 0.5	< 4	< 20	< 3	< 0.005	< 0.01
29-May-09	< 5	-	1.3	< 0.5	-	-	< 20	< 3	< 0.005	-
31-Dec-09	1260	-	0.2	0.7	-	-	< 20	< 3	< 0.005	-
19-Feb-10	< 5	-	0.3	< 0.5	-	-	< 20	< 3	< 0.005	-
28-Jun-10	12	-	< 0.2	< 0.5	< 0.5	-	< 20	< 3	< 0.005	-
18-Nov-10	-	-	-	< 0.5	-	-	-	-	-	-
30-Jun-11	558	-	0.8	-	-	-	-	-	-	-
2-Dec-11	1340	-	-	0.54	-	-	-	-	-	-
27-Apr-12	1040	-	-	0.75	-	-	-	-	-	-
15-Oct-12	1550	2.7	-	0.95	-	-	-	-	-	-
4-Jun-13	69	-	< 0.05	< 0.1	-	-	< 5.0	-	< 0.01	-
3-Oct-13	995	-	0.08	0.66	-	-	< 5.0	< 1	< 0.01	-
13-May-14	1060	-	0.2	0.4	-	-	-	-	-	-
2-Oct-14	1060	2.44	0.644	0.407	-	-	-	-	-	-
6-May-15	1220	-	< 0.1	1.1	-	-	< 10	-	< 0.005	-
4-Nov-15	1150	-	< 0.1	0.96	-	-	< 10	< 0.5	< 0.005	-
25-May-15	63	-	< 0.1	0.27	-	-	< 10	< 1	0.0085	-
10-Oct-16	1260	-	< 0.1	1.1	-	< 0.2	< 10	1.3	< 0.005	-
29-Jun-17	38	-	0.18	< 0.1	-	-	< 10	< 1	< 0.005	-
9-Nov-17	39	-	0.2	< 0.1	-	-	< 10	< 1	< 0.005	-
26-Apr-18	39	-	0.3	< 0.1	-	-	< 10	< 1	< 0.005	-
17-Oct-18	115	-	< 0.05	< 0.1	-	-	< 10	< 1	< 0.005	-
11-Jun-19	27	-	< 0.05	0.15	-	-	< 10	< 1	< 0.005	-
10-Dec-19	25	-	< 0.05	< 0.1	-	-	< 10	11	< 0.005	-
22-Jun-20	31	-	< 0.05	0.2	-	-	< 10	< 1	< 0.005	-
3-Dec-20	26	2	0.18	0.18	0.14	< 2.0	12	< 1	0.0054	< 0.01
22-Jun-21	32	-	< 0.25	< 0.1	-	-	< 10	< 1	< 0.005	-
18-Nov-21	30	-	0.12	< 0.1	-	-	16	< 1	< 0.005	-
1-Jun-22	23	-	0.31	0.12	-	-	< 10	< 1	< 0.005	-
20-Dec-22	1190	3.6	0.64	1.05	1.7	-	44	< 1	< 0.005	-
10-Jul-23	27	-	0.44	0.25	-	-	13	< 1	< 0.005	-
20-Nov-23	59	-	1	0.06	-	-	5	1	< 0.005	-
18-Jul-24	28	-	1	0.07	-	-	5	1	0.005	-
18-Nov-24	48	-	1	0.08	-	-	5	1	0.005	-
23-Jun-25	122	2.6	1	0.11	-	-	5	1	0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	—	{0.003}	0.025	1	{0.003}	0.005	—	0.05	0.05	0.2	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	—	—	<0.001	<0.3	—	<0.005	<0.5	—	—	—	<0.03
22-Oct-98	0.1	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	0.05	0.08
10-Jun-99	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	0.5	<0.05	<0.01	0.06	0.07
11-May-00	—	—	—	—	—	<0.005	<0.5	—	—	—	0.05
19-Oct-00	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	<0.02	<0.03
6-Jun-01	<0.05	<0.003	<0.001	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	0.06	<0.03
12-Nov-01	—	—	<0.010	<0.3	—	<0.005	0.6	—	—	—	0.03
31-May-02	—	—	<0.010	<0.3	—	<0.005	<0.5	—	—	—	0.08
21-Nov-02	0.07	<0.003	<0.010	<0.3	<0.005	<0.005	0.6	<0.05	<0.01	0.02	0.05
16-May-03	0.12	<0.003	<0.010	<0.3	<0.005	0.006	0.7	<0.05	<0.01	0.02	0.05
19-Dec-03	—	—	<0.010	<0.3	—	<0.005	1.3	—	—	—	0.05
27-May-04	—	—	<0.010	<0.3	—	<0.005	0.5	—	—	—	0.06
14-Dec-04	—	—	<0.010	<0.3	—	<0.005	0.7	—	—	—	0.12
11-May-05	—	—	<0.010	<0.3	—	<0.005	0.9	—	—	—	0.08
17-Nov-05	—	—	<0.010	<0.3	—	<0.005	1.5	—	—	—	0.15
30-Jun-06	—	—	<0.500	<0.3	—	<0.005	1.2	—	—	—	0.05
3-Jan-07	0.05	0.005	<0.010	<0.3	<0.005	<0.005	1.6	<0.05	<0.01	0.02	0.12
28-Jun-07	—	—	<0.500	<0.3	—	<0.005	40	—	—	—	0.05
31-Dec-07	—	—	<0.500	<0.3	—	<0.005	0.7	—	—	—	0.03
29-May-08	—	—	<0.010	<0.3	—	<0.005	43	—	—	—	<0.03
28-Aug-08	—	—	<0.010	<0.3	—	<0.005	33	—	—	—	<0.03
26-Nov-08	<0.05	<0.003	<0.010	<0.3	<0.005	<0.005	<0.5	<0.05	<0.01	<0.02	<0.03
29-May-09	—	—	—	—	—	<0.005	<0.5	—	—	—	0.04
31-Dec-09	—	—	—	—	—	0.009	8.1	—	—	—	0.2
19-Feb-10	—	—	—	—	—	<0.005	0.8	—	—	—	0.56
28-Jun-10	—	—	—	—	—	<0.005	<0.5	—	—	—	<0.03
18-Nov-10	—	—	—	—	—	<0.005	—	—	—	—	—
30-Jun-11	—	—	—	—	—	<0.005	16	—	—	—	—
2-Dec-11	—	—	—	—	—	—	20	—	—	—	0.08
27-Apr-12	—	—	—	—	—	—	28	—	—	—	0.06
15-Oct-12	0.18	—	—	—	—	—	25	—	—	—	1
4-Jun-13	—	—	—	—	—	<0.005	<0.5	—	—	—	0.02
3-Oct-13	—	—	—	—	—	<0.02	12	—	—	—	<0.05
13-May-14	—	—	—	—	—	—	8.7	—	—	—	—
2-Oct-14	—	—	—	—	—	—	14.5	—	—	—	—
6-May-15	—	—	—	—	—	<0.005	16	—	—	—	<0.1
4-Nov-15	—	—	—	—	—	<0.005	16.7	—	—	—	<0.1
25-May-15	—	—	—	—	—	<0.005	5	—	—	—	<0.1
10-Oct-16	—	—	—	—	—	<0.0025	147	—	—	—	0.15
29-Jun-17	—	—	—	—	—	<0.0025	0.2	—	—	—	<0.1
9-Nov-17	—	—	—	—	—	<0.0025	368	—	—	—	<0.02
26-Apr-18	—	—	—	—	—	<0.0025	413	—	—	—	<0.02
17-Oct-18	—	—	—	—	—	<0.0025	3.7	—	—	—	<0.02
11-Jun-19	—	—	—	—	—	<0.0025	<0.2	—	—	—	0.022
10-Dec-19	—	—	—	—	—	<0.0025	<0.2	—	—	—	0.06
22-Jun-20	—	—	—	—	—	<0.0025	0.7	—	—	—	<0.02
3-Dec-20	<0.2	<0.06	<0.01	<0.2	<0.005	<0.0025	0.2	<0.01	—	<0.025	<0.02
23-Jun-21	—	—	—	—	—	<0.0025	0.25	—	—	—	<0.02
18-Nov-21	—	—	—	—	—	<0.0025	0.25	—	—	—	<0.1
1-Jun-22	—	—	—	—	—	<0.0025	0.5	—	—	—	<0.1
20-Dec-22	0.11	—	—	—	—	—	12.5	—	—	—	—
10-Jul-23	—	—	—	—	—	<0.0033	1.1	—	—	—	0.28
20-Nov-23	—	—	—	—	—	0.005	1	—	—	—	0.1
18-Jul-24	—	—	—	—	—	0.005	1	—	—	—	0.1
18-Nov-24	—	—	—	—	—	0.005	2	—	—	—	1.1
23-Jun-25	—	—	—	—	—	0.005	2	—	—	—	<0.02

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-A (MILLER) KITCHEN TAP											
31-Mar-98	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	8.1	—	—	—	—
22-Oct-98	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	4.4	< 0.001	< 0.05	< 0.003	0.02
10-Jun-99	0.004	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	8.3	< 0.001	< 0.05	< 0.003	0.05
11-May-00	0.003	< 0.5	< 0.02	—	—	0.8	7	—	—	—	—
19-Oct-00	0.002	< 0.5	< 0.02	< 0.0004	0.04	2.5	37	< 0.001	< 0.05	< 0.003	0.05
6-Jun-01	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	1	5.3	< 0.001	< 0.05	< 0.003	0.13
12-Nov-01	0.007	< 0.5	< 0.02	—	—	0.7	9.8	—	—	—	—
31-May-02	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.5	7.6	—	—	—	—
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.9	6.7	< 0.005	< 0.05	< 0.003	0.04
16-May-03	0.004	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	8.6	< 0.005	< 0.05	< 0.003	0.05
19-Dec-03	< 0.001	< 0.5	< 0.02	< 0.0004	—	0.8	8.5	—	—	—	—
27-May-04	0.004	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.3	—	—	—	—
14-Dec-04	0.002	< 0.5	< 0.02	< 0.0004	—	< 0.5	9.2	—	—	—	—
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	< 0.5	4.7	—	—	—	—
17-Nov-05	< 0.001	< 0.5	0.02	< 0.0004	—	0.9	5.7	—	—	—	—
30-Jun-06	< 0.003	< 0.5	0.02	< 0.0004	—	0.5	6.3	—	—	—	—
3-Jan-07	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	3	< 0.005	< 0.05	< 0.003	0.09
28-Jun-07	< 0.003	1.7	< 0.02	< 0.0004	—	39	590	—	—	—	—
31-Dec-07	< 0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	3.1	—	—	—	—
29-May-08	< 0.003	< 0.5	< 0.02	< 0.0002	—	< 0.5	640	—	—	—	—
28-Aug-08	< 0.003	1.2	< 0.02	< 0.0004	—	34	580	—	—	—	—
26-Nov-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	5.2	< 0.005	< 0.05	< 0.003	< 0.01
29-May-09	0.015	< 0.5	< 0.02	—	—	< 0.5	6.4	—	—	—	—
31-Dec-09	< 0.001	< 0.5	< 0.02	—	—	31	640	—	—	—	—
19-Feb-10	< 0.001	< 0.5	0.03	—	—	< 0.5	7.5	—	—	—	—
28-Jun-10	< 0.001	< 0.5	< 0.02	—	—	0.6	25	—	—	—	—
18-Nov-10	—	—	—	—	—	—	4.3	—	—	—	—
30-Jun-11	—	0.63	—	—	—	34	580	—	—	—	—
2-Dec-11	—	0.69	—	—	—	35	590	—	—	—	—
27-Apr-12	—	0.98	—	—	—	28	560	—	—	—	—
15-Oct-12	—	1.3	0.14	—	—	19	520	—	—	—	0.01
4-Jun-13	< 0.02	< 0.1	< 0.01	—	—	0.74	27	—	—	—	—
3-Oct-13	< 0.02	< 1.0	< 0.01	—	—	20	635	—	—	—	—
13-May-14	—	—	—	—	—	15.4	574	—	—	—	—
2-Oct-14	—	—	—	—	—	20.8	373	—	—	—	—
6-May-15	—	< 0.5	< 0.015	—	—	20.9	636	—	—	—	—
4-Nov-15	0.003	< 0.5	< 0.015	—	—	22.4	668	—	—	—	—
25-May-15	< 0.003	< 0.5	< 0.015	—	—	< 5	41	—	—	—	—
10-Oct-16	< 0.005	0.55	< 0.01	< 0.0002	—	20	729	—	—	—	—
29-Jun-17	< 0.005	< 0.2	< 0.01	—	—	< 5	25	—	—	—	—
9-Nov-17	< 0.005	< 0.2	< 0.01	—	—	< 5	269	—	—	—	—
26-Apr-18	< 0.005	< 0.2	< 0.01	—	—	< 5	268	—	—	—	—
17-Oct-18	< 0.005	< 0.2	< 0.01	—	—	< 5	56	—	—	—	—
11-Jun-19	< 0.005	< 0.2	< 0.01	—	—	< 5	18	—	—	—	—
10-Dec-19	< 0.005	< 0.2	< 0.01	—	—	< 5	20	—	—	—	—
22-Jun-20	< 0.005	< 0.2	< 0.01	—	—	< 5	21	—	—	—	—
3-Dec-20	< 0.005	< 0.2	< 0.01	—	< 0.04	< 5	20	< 0.01	< 0.01	< 0.01	< 0.02
23-Jun-21	< 0.005	< 0.2	< 0.01	—	—	< 5	21	—	—	—	—
18-Nov-21	< 0.005	< 0.2	< 0.01	—	—	< 5	23	—	—	—	—
1-Jun-22	< 0.005	< 0.2	< 0.01	—	—	< 5	52	—	—	—	—
20-Dec-22	< 0.005	0.46	< 0.01	—	—	17	638	—	—	—	0.05
10-Jul-23	< 0.006	< 0.056	< 0.006	—	—	2	68	—	—	—	—
20-Nov-23	0.005	1	0.01	—	—	2	183	—	—	—	—
18-Jul-24	0.005	1	0.01	—	—	2	64	—	—	—	—
18-Nov-24	0.005	1	0.01	—	—	2.5	73	—	—	—	—
23-Jun-25	0.005	1	0.01	—	—	3.8	105	—	—	—	—

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

GROUND WATER	FIELD PARAMETERS				INORGANIC PARAMETERS					
	TEMP. (deg.F)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	COLOR (Units)	TURB. (NTU)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	--	--	6.5-8.5	--	15	5	--	--	500	250
RW-B (Nolan) KITCHEN TAP										
31-Mar-98	73	35	8.2	40	--	1.17	13	<3	20	<1
22-Oct-98	68	170	6.8	46	<5	0.17	10	3	53	1
10-Jun-99	79	180	6.2	180	<5	0.45	8	<3	28	3
11-May-00	72	260	7.8	100	--	0.29	16	4	63	4
19-Oct-00	58	130	8.5	111	<5	0.59	17	<3	63	4
6-Jun-01	69	-122	8.5	105	<5	<0.05	14	3	45	3
12-Nov-01	56	-115	9.2	389	--	0.95	12	--	40	2
31-May-02	76	-28	7.2	499	--	1.26	<10	3	1700	2
21-Nov-02	69	-60	7.7	77	7	4.9	<10	<3	<25	2
16-May-03	60	-43	7.6	546	6	0.2	28	<3	45	4
19-Dec-03	57	-70	8.2	523	--	<0.05	19	<3	18	3
27-May-04	71	-87	8	106	--	<0.05	14	<3	52	3
14-Dec-04	63	-45	7.6	641	--	<0.05	87	<3	32	13
11-May-05	77	-45	7.6	683	--	<0.05	25	3	<25	5
17-Nov-05	63	-50	7.6	102	--	<0.05	11	9	127	5
30-Jun-06	76	-75	8.1	517	--	0.07	14	10	50	6
3-Jan-07	48	-50	8.2	345	7	0.71	16	17	242	6
28-Jun-07	63	-95	7.4	9	--	12.1	130	50	2000	107
31-Dec-07	64	-64	8	557	--	0.08	<10	13	125	4
29-May-08	63	-151	8.3	671	--	0.56	12	6	72	3
28-Aug-08	71	-100	8.7	1632	<5	0.26	12	10	<25	2
26-Nov-08	72	146	8.1	515	--	0.12	12	<3	28	3
29-May-09	60	13.5	7.8	718	--	2.32	160	74	1800	99
31-Dec-09	65	163	7.8	461	--	2.71	15	3	65	5
19-Feb-10	64	178	7.5	293	--	3.71	15	2	30	3
25-Jun-10	66	184	7.7	617	--	0.28	12	--	45	4
18-Nov-10	65	152	7.7	702	--	1.89	150	--	100	13
30-Jun-11	82	-33	7.9	3119	--	3.21	170	51	1900	100
2-Dec-11	49	-42	8.06	329	--	2.13	180	97	2000	103
27-Apr-12	58	150	7.65	2990	--	0.07	150	87	2100	103
15-Oct-12	61	62	7.4	3570	--	<0.1	160	66	2300	74
21-Jun-13	64	165	7.3	3140	--	<1	152	65	2087	95
3-Oct-13	68	67	7.2	3130	--	<1	162	23	2110	85
30-May-14	64	74	7.1	2955	--	--	141	61	2120	91
2-Oct-14	58	99	7.9	3010	--	0.45	159	96.4	2170	94
6-May-15	61	113	7.6	2940	--	<1.0	147	120	2110	121
4-Nov-15	65	139	7.8	2450	--	<1.0	142	60	1910	85
25-May-16	61	92	7.5	2890	--	<1.0	5.5	<5	31	3
10-Oct-16	64	118	7.4	65	<5.0	<1.0	7.3	8	123	3.9
27-Jun-17	72	65	6.1	128	--	<1.0	6.6	15	28	3.9
9-Nov-17	54	-111	5.9	72	--	<1.0	5.6	<5	39	2.5
26-Apr-18	70	64	6.1	46	--	<1.0	4.2	<5	30	2
17-Oct-18	77	-32	6.0	47	--	<1.0	6.5	<5	29	3.1
11-Jun-19	78	71	6.7	121	--	3.2	5.3	<5	33	2.6
10-Dec-19	77	-3	6.2	78	--	<1.0	7.1	<5	84	5.6
22-Jun-20	69	55	4.5	109	--	<1.0	8.5	<5	20	3.3
3-Dec-20	66	-77	7.5	72	--	1.1	6.8	<5	52	2.5
22-Jun-21	77	-72	7.4	65	--	<1.0	6.4	<5	82	4.0
18-Nov-21	67	44	6.3	162	--	<1.0	13.3	6	67	8.1
1-Jun-22	60	-34	6.9	156	--	<1.0	6	<5	29	4.3
20-Dec-22	50	-30	7.6	2600	--	<1.0	140	22	2260	92
10-Jul-23	70	-51	7.9	2580	--	0	9	1.1	45	6.0
20-Nov-23	63	-48	7.8	121	--	0	7.5	2	41	5.2
26-Jun-24	75	22	6.9	600	--	0	12	7	76	8
18-Nov-24	52	-67	8.3	190	--	<1.0	11	7	60	5
23-Jun-25	54	-18	7.3	120	--	2.9	9.3	6.6	44	6.3

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA
INORGANIC MATERIALS

GROUND WATER	SO4 (mg/L)	BORON (mg/L)	NO3-N (mg/L)	NH3-N (MG/L)	TKN (mg/L)	BOD-5 (mg/L)	COD (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	250	1	10	2	-	-	-	-	0.005	0.1
RW-B (Nolan) KITCHEN TAP										
31-Mar-98	6	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
22-Oct-98	9	1.4	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
10-Jun-99	22	1.7	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
11-May-00	32	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
19-Oct-00	41	2	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
6-Jun-01	32	1.5	<0.2	<0.5	<0.5	<4	<20	<1	<0.005	<0.01
12-Nov-01	6	-	<0.2	<0.5	-	-	<20	<1	<0.005	-
31-May-02	6	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
21-Nov-02	6	2.1	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
16-May-03	9	2.2	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
19-Dec-03	18	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
27-May-04	17	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
14-Dec-04	12	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
11-May-05	49	-	<0.2	<0.5	-	-	<20	<3	0.006	-
17-Nov-05	15	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
30-Jun-06	14	-	<0.2	<0.5	-	-	<20	<3	0.006	-
3-Jan-07	61	1.7	0.3	<0.5	<0.5	6	<20	<3	<0.005	<0.01
28-Jun-07	131	-	1.7	<0.5	-	-	<20	<3	<0.005	-
31-Dec-07	55	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
29-May-08	29	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
28-Aug-08	22	1.4	<0.2	<0.5	<0.5	<4	<20	<3	<0.005	<0.01
26-Nov-08	22	-	<0.2	<0.5	-	-	<20	<3	<0.005	-
29-May-09	1340	-	<0.2	0.8	-	-	<20	<3	<0.005	-
31-Dec-09	31	-	0.1	<0.5	-	-	<20	<3	<0.005	-
19-Feb-10	<5	-	0.3	<0.5	-	-	<20	<3	<0.005	-
25-Jun-10	32.1	-	<0.2	<0.5	<0.5	-	<20	<3	<0.005	-
18-Nov-10	71.2	-	-	-	-	-	-	-	<0.005	-
30-Jun-11	848	-	<0.2	0.81	-	-	-	-	-	-
2-Dec-11	1160	-	-	0.76	-	-	-	-	-	-
27-Apr-12	1220	-	<0.2	-	-	-	-	-	-	-
15-Oct-12	1640	3.1	-	-	-	-	-	-	-	-
21-Jun-13	1218	-	<0.5	0.82	-	-	<0.5	<1	<0.01	-
3-Oct-13	1180	-	0.83	0.42	-	-	<0.5	<1	<0.01	-
30-May-14	1190	-	0.2	0.57	-	-	-	1.2	-	-
2-Oct-14	1180	2.99	0.22	0.26	-	-	<10	-	<0.005	<0.01
6-May-15	1340	-	0.55	1.6	-	-	<10	-	<0.005	-
4-Nov-15	1300	-	0.6	0.49	-	-	<10	<0.5	<0.005	-
25-May-16	14	-	<0.1	<0.1	-	-	<10	<1	<0.005	-
10-Oct-16	23	-	0.16	<0.1	-	-	<10	1.6	0.0073	<0.01
27-Jun-17	13	-	0.4	<0.1	-	-	<10	<10	<0.005	-
9-Nov-17	16	-	0.3	<0.1	-	-	<10	<1	<0.005	-
26-Apr-18	10	-	0.25	<0.1	-	-	<10	<1	<0.005	-
17-Oct-18	12	-	<0.05	<0.1	-	-	12	<1	<0.005	-
11-Jun-19	7	-	<0.05	0.11	-	-	<10	<1	<0.005	-
10-Dec-19	50	-	<0.05	<0.1	-	-	<10	<1	<0.005	-
22-Jun-20	12	-	0.17	<0.1	-	-	<10	<1	<0.005	-
3-Dec-20	12	-	0.31	0.13	<0.1	<0.2	<10	<1	0.0057	<10
22-Jun-21	11	-	0.38	<0.1	-	-	<10	<1	<0.005	-
18-Nov-21	64	-	0.3	<0.1	-	-	16	<1	<0.005	-
1-Jun-22	13	-	0.23	<0.1	-	-	<10	<1	5.2	-
20-Dec-22	1250	-	0.28	<0.1	-	-	65	<1	-	-
10-Jul-23	14	-	0.67	0.2	-	-	14	<1	<0.005	-
20-Nov-23	9	-	1	0.05	-	-	5	1	<0.005	-
26-Jun-24	24	-	1	0.072	-	-	5	1	<0.005	-
18-Nov-24	15	-	1	0.05	-	-	5	1	<0.005	-
23-Jun-25	10	2.6	<0.05	<0.1	-	-	<10	<1	<0.005	-

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	AL (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Cr+6 (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1	[0.003]	0.01	-	0.05	0.05	0.2	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	-	-	< 0.001	< 0.3	-	< 0.005	< 0.5	-	-	-	< 0.03
22-Oct-98	0.1	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.3
10-Jun-99	0.1	< 0.003	0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.14	0.35
11-May-00	-	-	-	-	-	< 0.005	0.7	-	-	-	0.08
19-Oct-00	0.07	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	0.05
6-Jun-01	< 0.05	< 0.003	< 0.001	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	< 0.02	< 0.03
12-Nov-01	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.05
31-May-02	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	< 0.05
21-Nov-02	0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	< 0.5	< 0.5	< 0.01	0.03	0.05
16-May-03	0.15	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	0.6	< 0.5	< 0.01	< 0.02	0.08
19-Dec-03	-	-	< 0.010	< 0.3	-	< 0.005	0.5	-	-	-	0.23
27-May-04	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.08
14-Dec-04	-	-	< 0.010	< 0.3	-	< 0.005	< 0.5	-	-	-	0.07
11-May-05	-	-	< 0.010	< 0.3	-	< 0.005	1	-	-	-	0.11
17-Nov-05	-	-	< 0.010	< 0.3	-	< 0.005	3	-	-	-	0.19
30-Jun-06	-	-	< 0.500	< 0.3	-	< 0.005	2.6	-	-	-	0.07
3-Jan-07	0.05	0.007	< 0.010	< 0.3	< 0.005	< 0.005	5.8	< 0.5	< 0.01	0.13	0.06
28-Jun-07	-	-	< 0.500	< 0.3	-	< 0.005	18	-	-	-	0.17
31-Dec-07	-	-	< 0.500	< 0.3	-	< 0.005	4.5	-	-	-	0.1
29-May-08	-	-	< 0.010	< 0.3	-	< 0.005	2.1	-	-	-	< 0.03
28-Aug-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	3.6	< 0.5	< 0.01	< 0.02	0.55
26-Nov-08	-	-	-	-	-	< 0.005	< 0.5	-	-	-	< 0.03
29-May-09	-	-	-	-	-	< 0.005	27	-	-	-	0.07
31-Dec-09	-	-	-	-	-	< 0.005	1.1	-	-	-	0.17
19-Feb-10	-	-	-	-	-	< 0.005	0.8	-	-	-	0.56
25-Jun-10	-	-	-	-	-	< 0.005	0.7	-	-	-	0.058
18-Nov-10	-	-	-	-	-	< 0.005	0.5	-	-	-	0.04
30-Jun-11	-	-	-	-	-	-	19	-	-	-	-
2-Dec-11	-	-	-	-	-	-	36	-	-	-	-
27-Apr-12	-	-	-	-	-	-	33	-	-	-	-
15-Oct-12	-	-	-	-	-	-	25	-	-	-	0.07
21-Jun-13	-	-	-	-	-	< 0.02	26	-	-	-	< 0.05
3-Oct-13	-	-	-	-	-	< 0.02	23	-	-	-	< 0.05
30-May-14	-	-	-	-	-	-	25	-	-	-	-
2-Oct-14	-	-	-	-	-	-	37	-	-	-	-
6-May-15	-	-	-	-	-	< 0.005	33	-	-	-	< 0.1
4-Nov-15	-	-	-	-	-	< 0.005	28	-	-	-	< 0.1
25-May-16	-	-	-	-	-	< 0.005	< 5	-	-	-	< 0.1
10-Oct-16	-	-	-	-	-	< 0.0025	1.6	-	-	-	< 0.1
27-Jun-17	-	-	-	-	-	< 0.0025	0.2	-	-	-	< 0.1
9-Nov-17	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02
26-Apr-18	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	0.027
17-Oct-18	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02
11-Jun-19	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02
10-Dec-19	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02
22-Jun-20	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.02
3-Dec-20	< 0.2	< 0.06	< 0.01	< 0.2	< 0.005	< 0.0025	< 0.2	< 0.01	-	< 0.025	< 0.02
22-Jun-21	-	-	-	-	-	< 0.0025	2.1	-	-	-	< 0.02
18-Nov-21	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.1
1-Jun-22	-	-	-	-	-	< 0.0025	< 0.2	-	-	-	< 0.1
20-Dec-22	0.11	-	-	-	-	-	7.7	-	-	-	-
10-Jul-23	-	-	-	-	-	< 0.0033	0.4	-	-	-	0.28
20-Nov-23	-	-	-	-	-	0.005	1	-	-	-	10.1
26-Jun-24	-	-	-	-	-	0.005	1	-	-	-	0.4
18-Nov-24	-	-	-	-	-	0.005	1	-	-	-	0.1
23-Jun-25	-	-	-	-	-	< 0.0033	< 0.2	-	-	-	< 0.1

VAN BUREN LANDFILL (CLOSED)
ONONDAGA COUNTY
WATER QUALITY TEST DATA

TOTAL METALS											
GROUND WATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	—	—	20	0.01	0.05	[0.004]	0.3
RW-B (Nolan) KITCHEN TAP											
31-Mar-98	0.01	< 0.5	< 0.02	< 0.0004	—	< 0.05	6	—	—	—	—
22-Oct-98	0.002	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.05	5.9	0.001	< 0.05	< 0.003	< 0.01
10-Jun-99	0.007	< 0.5	< 0.02	< 0.0004	< 0.03	0.6	16	< 0.001	< 0.05	< 0.003	0.21
11-May-00	0.007	< 0.5	< 0.02	—	—	1.3	22	—	—	—	—
19-Oct-00	0.003	< 0.5	< 0.02	< 0.0004	< 0.03	1.2	23	< 0.001	< 0.05	< 0.003	0.01
6-Jun-01	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	3	22	< 0.001	< 0.05	< 0.003	< 0.01
12-Nov-01	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	6.2	—	—	—	—
31-May-02	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	7.7	—	—	—	—
21-Nov-02	< 0.001	< 0.5	< 0.02	< 0.0004	< 0.03	0.7	6.1	< 0.005	< 0.05	< 0.003	0.03
16-May-03	< 0.001	< 0.5	< 0.02	< 0.0004	0.04	< 0.5	10	< 0.005	< 0.05	< 0.003	0.04
19-Dec-03	0.001	< 0.5	< 0.02	< 0.0004	—	0.6	12	—	—	—	—
27-May-04	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	10	—	—	—	—
14-Dec-04	0.003	< 0.5	< 0.02	< 0.0004	—	< 0.5	11	—	—	—	—
11-May-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	1.8	8	—	—	—	—
17-Nov-05	< 0.001	< 0.5	< 0.02	< 0.0004	—	2.4	5.6	—	—	—	—
30-Jun-06	0.005	0.9	< 0.02	< 0.0004	—	1.2	13	—	—	—	—
3-Jan-07	0.005	0.5	< 0.02	< 0.0004	< 0.03	1.1	9.6	< 0.005	< 0.05	< 0.003	0.29
28-Jun-07	< 0.003	0.9	< 0.02	< 0.0004	—	46	650	—	—	—	—
31-Dec-07	0.006	< 0.5	< 0.02	< 0.0004	—	1.5	5.6	—	—	—	—
29-May-08	0.004	< 0.5	< 0.02	< 0.0002	—	< 0.5	11	—	—	—	—
28-Aug-08	< 0.003	< 0.5	< 0.02	< 0.0004	< 0.03	4.3	87	< 0.005	< 0.05	< 0.003	0.09
26-Nov-08	0.016	< 0.5	< 0.02	< 0.0004	< 0.03	< 0.5	14	—	—	—	—
29-May-09	< 0.001	1.4	< 0.02	—	—	41	730	—	—	—	—
31-Dec-09	0.002	< 0.5	< 0.02	—	—	0.6	18	—	—	—	—
19-Feb-10	< 0.001	< 0.5	0.03	—	—	< 0.5	7.5	—	—	—	—
25-Jun-10	< 0.001	< 0.5	< 0.02	—	—	< 0.05	18	—	—	—	—
18-Nov-10	—	—	—	—	—	0.06	19	—	—	—	—
30-Jun-11	—	0.98	—	—	—	25	690	—	—	—	—
2-Dec-11	—	1.3	0.023	—	—	35	730	—	—	—	—
27-Apr-12	—	1	—	—	—	32	650	—	—	—	—
21-Jun-12	—	1.1	—	—	—	20	780	—	—	—	—
16-Oct-13	< 0.001	1.1	0.11	—	—	29	616	—	—	—	—
3-Oct-13	< 0.02	< 1.0	0.12	—	—	23	663	—	—	—	—
30-May-14	—	—	0.04	—	—	20	624	—	—	—	—
2-Oct-14	—	1.2	0.08	—	—	15	536	—	—	—	0.05
6-May-15	—	< 0.5	0.13	—	—	28	701	—	—	—	—
4-Nov-15	< 0.003	< 0.5	0.09	—	—	26	754	—	—	—	—
25-May-16	< 0.003	< 0.5	< 0.15	—	—	< 5	61	—	—	—	—
10-Oct-16	< 0.005	< 0.2	< 0.01	—	—	< 5	46.5	—	—	—	—
27-Jun-17	< 0.005	< 0.2	< 0.01	—	—	< 5	12.4	—	—	—	—
9-Nov-17	0.0051	< 0.2	< 0.01	—	—	< 5	141	—	—	—	—
26-Apr-18	< 0.005	< 0.2	< 0.01	—	—	< 5	9.5	—	—	—	—
17-Oct-18	< 0.005	< 0.2	< 0.01	—	—	< 5	8.9	—	—	—	—
11-Jun-19	< 0.005	< 0.2	< 0.01	—	—	< 5	7.4	—	—	—	—
10-Dec-19	< 0.005	< 0.2	< 0.01	—	—	< 5	13.6	—	—	—	—
22-Jun-20	< 0.005	< 0.2	< 0.01	—	—	< 5	11.5	—	—	—	—
3-Dec-20	< 0.005	< 0.2	< 0.01	< 0.2	< 0.04	< 5	43.8	< 0.01	< 0.01	< 0.01	0.023
22-Jun-21	< 0.005	< 0.2	< 0.01	—	—	< 5	5.8	—	—	—	—
18-Nov-21	< 0.005	< 0.2	< 0.01	—	—	< 5	14.7	—	—	—	—
1-Jun-22	< 0.005	< 0.2	< 0.01	—	—	—	10.8	—	—	—	—
20-Dec-22	0.007	0.3	—	—	—	7.5	713	—	—	—	0.085
10-Jul-23	< 0.006	< 0.056	< 0.006	—	—	< 5	13	—	—	—	—
20-Nov-23	0.005	1	0.01	—	—	2	109	—	—	—	—
26-Jun-24	0.005	1	0.013	—	—	2	214	—	—	—	—
18-Nov-24	0.005	1	0.013	—	—	2	19	—	—	—	—
23-Jun-25	0.005	1	0.013	—	—	< 5	13	—	—	—	0.08

Appendix D

Sampling Data



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: RW-A **Lab ID: R2507445-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	72.1			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.114			0.050	mg/L	350.1
Boron, Total	2550			200	ug/L	6010D
Calcium, Total	2000			1000	ug/L	6010D
Chloride	38.9			2.0	mg/L	300.0
Color, True	1.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
pH of Color Analysis	7.87				pH Units	SM 2120 B-2001 (2011)
Potassium, Total	3800			2000	ug/L	6010D
Sodium, Total	105000			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	317			33	mg/L	SM 2540 C-2015
Sulfate	122			4.0	mg/L	300.0
Turbidity	0.33			0.10	NTU	180.1

CLIENT ID: RW-B **Lab ID: R2507445-003**

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO3	9.3			2.0	mg/L	SM 2320 B-1997 (2011)
Boron, Total	2570			200	ug/L	6010D
Chloride	6.3			2.0	mg/L	300.0
Color, True	1.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
pH of Color Analysis	6.70				pH Units	SM 2120 B-2001 (2011)
Sodium, Total	12900			1000	ug/L	6010D
Solids, Total Dissolved (TDS)	44			13	mg/L	SM 2540 C-2015
Sulfate	10.1			2.0	mg/L	300.0
Turbidity	2.9			0.10	NTU	180.1
Zinc, Total	77			20	ug/L	6010D



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Enalytic
Project: Residents

Service Request:R2507445

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2507445-001	RW-A	6/23/2025	1120
R2507445-002	RW-A Influent	6/23/2025	1130
R2507445-003	RW-B	6/23/2025	1200

Analytic Laboratories

Address: 6034 Corporate Drive, E. Syracuse, New York 13057
 Phone: (315) 437-0255

Client:

Analytic, LLC

Client Contact:

Anthony Scala

Sample ID

Date

Time

Matrix

Grab or Comp

Lab Internal Use Only

Project or Project Name

Residents

Location (City/State)

Central, NY

Number of Containers

PAGE 1 OF 1

Chain of Custody Record

Remarks

1988 NYSDEC Part 360
 Baseline List
 (Non-ASP)

1

2

3

4

5

6

7

8

9

10

10

X

X

X

X

X

X

X

X

X

3

X

X

X

X

X

X

X

X

X

10

X

X

X

X

X

X

X

X

X

10

X

X

X

X

X

X

X

X

X

Routing: ROD, NO3 (IC) all bottles 1x each
 Baseline: ROD, NO3 (IC) Color, Cr6 7196 Turb
 360 Expanded: ROD, NO3 (IC) Color, Cr6 7196, Sulfide
 363 Expanded: ROD, NO3 (IC) Color, Cr6 7196

Parameter and Method

Sample bottle:

Type

Size

Preservative

Sampled by (Print)

Name of Courier

1 Nitrate, TDS, Sulfate, Chloride, BOD5

2 Turbidity, Color, Hex-Chromium

3 TOC, Phenols

4 Ammonia, COD, TKN

5 Alkalinity

6 Hg

7 Total Baseline List Metals (including Boron)

8 Total Cyanide (MISSING BOTTLES)

9 1988 Part 360 VOCs EPA 601/602 (by 624)

10

Brian Nichols

ALS

Company: Zion Environmental, LLC

Relinquished by: (sign)

Date 6/23/25

Time 1300

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Baseline Metals: Al, Sb, As, Be, Ba, B, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Ti, Zn,
 and Hardness. Field Parameters: pH, Temp, Eh, Cond, Turbidity

Date 6/23/25

Time 1300

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date 6/23/25

Time 1300

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)

Date

Time

Relinquished by: (sign)





R2507445

5

Analytic Residents



Cooler Receipt and Preservation Check Form

Project/Client Analytic Folder Number _____

Cooler received on 6/24/25 by: RM

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> N

5a	Did VOA vials have sig* bubbles?	Y N <u>NA</u>
5b	Sig* bubbles: Alk? Y N <u>NA</u> Sulfide? Y N <u>NA</u>	
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 6/24/25 Time: 15:03 ID: IR#12 IR#11 From: Temp Blank Sample Bottle

Temp (°C)	<u>1.3</u>	<u>10.0</u>	<u>6.0</u>	<u>4.1</u>	<u>3.9</u>	<u>5.4</u>	<u>6.3</u>
Within 0-6°C?	<u>Y</u> N	Y <u>N</u>	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	Y <u>N</u>
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: SMO by RM on 6/24 at 16:03
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/24/25 Time: 2007 by: RDA

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
- 13. Were dissolved metals filtered in the field? YES NO N/A
- 14. Air Samples: Cassettes / Tubes Intact Y/N with MS Y/N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2	<u>2c4r24</u>	HNO ₃	<u>✓</u>		<u>label corrected</u>					
≤2	<u>2c4r24</u>	H ₂ SO ₄	<u>✓</u>		<u>↓</u>					
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: label cover info
Explain all Discrepancies/ Other Comments:

EA
10 CN but 10

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RDA *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

RIGHT SOLUTIONS | RIGHT PARTNER



REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
- # Spike was diluted out.
- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Texas ID#T104704581
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to <https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx>.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Analytic
Project: Residents

Service Request: R2507445

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624.1	Water	1,2,3-Trichlorobenzene
624.1	Water	1,2,4-Trichlorobenzene
624.1	Water	1,2-Dibromo-3-chloropropane (DBCP)
624.1	Water	1,2-Dibromoethane
624.1	Water	1,4-Dioxane
624.1	Water	2-Butanone (MEK)
624.1	Water	2-Hexanone
624.1	Water	Carbon Disulfide
624.1	Water	Cyclohexane
624.1	Water	Isopropylbenzene (Cumene)

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 dba ALS Environmental
 Analyst Summary report

Client: Enalytic
Project: Residents/

Service Request: R2507445

Sample Name: RW-A
Lab Code: R2507445-001
Sample Matrix: Water

Date Collected: 06/23/25
Date Received: 06/24/25

Analysis Method	Extracted/Digested By	Analyzed By
180.1		SBIRNBERG
300.0		KWONG
350.1		KWONG
351.2	SBIRNBERG	GNITAJOUPPI
6010D	MKASTAN	NMANSEN
624		KRUEST
7196A		SDUBE
7470A	ECASTROVINCI	ECASTROVINCI
9060A		KWONG
9066		CWOODS
Hach 8000 (1979)		SDUBE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		SCLOSE
SM 5210 B-2016		CWOODS

Sample Name: RW-A Influent
Lab Code: R2507445-002
Sample Matrix: Water

Date Collected: 06/23/25
Date Received: 06/24/25

Analysis Method	Extracted/Digested By	Analyzed By
624		KRUEST

Sample Name: RW-B
Lab Code: R2507445-003
Sample Matrix: Water

Date Collected: 06/23/25
Date Received: 06/24/25

Analysis Method	Extracted/Digested By	Analyzed By
180.1		SBIRNBERG
300.0		KWONG
350.1		KWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Enalytic
Project: Residents/

Service Request: R2507445

Sample Name: RW-B
Lab Code: R2507445-003
Sample Matrix: Water

Date Collected: 06/23/25

Date Received: 06/24/25

Analysis Method	Extracted/Digested By	Analyzed By
351.2	SBIRNBERG	GNITAJOUPPI
6010D	MKASTAN	NMANSEN
624		KRUEST
7196A		SDUBE
7470A	ECASTROVINCI	ECASTROVINCI
9060A		KWONG
9066		CWOODS
Hach 8000 (1979)		SDUBE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SBIRNBERG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		SCLOSE
SM 5210 B-2016		CWOODS



PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":

For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.



Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-A
Lab Code: R2507445-001

Service Request: R2507445
Date Collected: 06/23/25 11:20
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	07/06/25 14:50	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	07/06/25 14:50	
1,1,2-Trichloroethane	1.00 U	1.00	1	07/06/25 14:50	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	07/06/25 14:50	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	07/06/25 14:50	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	07/06/25 14:50	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	07/06/25 14:50	
1,2-Dibromoethane	1.00 U	1.00	1	07/06/25 14:50	
1,2-Dichlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
1,2-Dichloroethane	1.00 U	1.00	1	07/06/25 14:50	
1,2-Dichloropropane	1.00 U	1.00	1	07/06/25 14:50	
1,3-Dichlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
1,4-Dichlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
1,4-Dioxane	40.0 U	40.0	1	07/06/25 14:50	
2-Butanone (MEK)	5.00 U	5.00	1	07/06/25 14:50	
2-Hexanone	5.00 U	5.00	1	07/06/25 14:50	
4-Methyl-2-pentanone	5.00 U	5.00	1	07/06/25 14:50	
Acetone	5.00 U	5.00	1	07/06/25 14:50	
Benzene	1.00 U	1.00	1	07/06/25 14:50	
Bromodichloromethane	1.00 U	1.00	1	07/06/25 14:50	
Bromoform	1.00 U	1.00	1	07/06/25 14:50	
Bromomethane	1.00 U	1.00	1	07/06/25 14:50	
Carbon Disulfide	10.0 U	10.0	1	07/06/25 14:50	
Carbon Tetrachloride	1.00 U	1.00	1	07/06/25 14:50	
Chlorobenzene	1.00 U	1.00	1	07/06/25 14:50	
Chloroethane	1.00 U	1.00	1	07/06/25 14:50	
Chloroform	1.00 U	1.00	1	07/06/25 14:50	
Chloromethane	1.00 U	1.00	1	07/06/25 14:50	
Cyclohexane	1.00 U	1.00	1	07/06/25 14:50	
Dibromochloromethane	1.00 U	1.00	1	07/06/25 14:50	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	07/06/25 14:50	
Dichloromethane	1.00 U	1.00	1	07/06/25 14:50	
Ethylbenzene	1.00 U	1.00	1	07/06/25 14:50	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	07/06/25 14:50	
Methyl tert-Butyl Ether	1.00 U	1.00	1	07/06/25 14:50	
Styrene	1.00 U	1.00	1	07/06/25 14:50	
Tetrachloroethene (PCE)	1.00 U	1.00	1	07/06/25 14:50	
Tetrahydrofuran (THF)	5.00 U	5.00	1	07/06/25 14:50	
Toluene	1.00 U	1.00	1	07/06/25 14:50	

ALS Group USA, Corp.
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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-A
Lab Code: R2507445-001

Service Request: R2507445
Date Collected: 06/23/25 11:20
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	07/06/25 14:50	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	07/06/25 14:50	
Vinyl Chloride	1.00 U	1.00	1	07/06/25 14:50	
cis-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 14:50	
cis-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 14:50	
m,p-Xylenes	2.00 U	2.00	1	07/06/25 14:50	
o-Xylene	1.00 U	1.00	1	07/06/25 14:50	
trans-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 14:50	
trans-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 14:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	07/06/25 14:50	
Dibromofluoromethane	85	80 - 116	07/06/25 14:50	
Toluene-d8	88	87 - 121	07/06/25 14:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-A Influent
Lab Code: R2507445-002

Service Request: R2507445
Date Collected: 06/23/25 11:30
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	07/06/25 15:12	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	07/06/25 15:12	
1,1,2-Trichloroethane	1.00 U	1.00	1	07/06/25 15:12	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	07/06/25 15:12	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	07/06/25 15:12	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	07/06/25 15:12	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	07/06/25 15:12	
1,2-Dibromoethane	1.00 U	1.00	1	07/06/25 15:12	
1,2-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
1,2-Dichloroethane	1.00 U	1.00	1	07/06/25 15:12	
1,2-Dichloropropane	1.00 U	1.00	1	07/06/25 15:12	
1,3-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
1,4-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
1,4-Dioxane	40.0 U	40.0	1	07/06/25 15:12	
2-Butanone (MEK)	5.00 U	5.00	1	07/06/25 15:12	
2-Hexanone	5.00 U	5.00	1	07/06/25 15:12	
4-Methyl-2-pentanone	5.00 U	5.00	1	07/06/25 15:12	
Acetone	5.00 U	5.00	1	07/06/25 15:12	
Benzene	1.00 U	1.00	1	07/06/25 15:12	
Bromodichloromethane	1.00 U	1.00	1	07/06/25 15:12	
Bromoform	1.00 U	1.00	1	07/06/25 15:12	
Bromomethane	1.00 U	1.00	1	07/06/25 15:12	
Carbon Disulfide	10.0 U	10.0	1	07/06/25 15:12	
Carbon Tetrachloride	1.00 U	1.00	1	07/06/25 15:12	
Chlorobenzene	1.00 U	1.00	1	07/06/25 15:12	
Chloroethane	1.00 U	1.00	1	07/06/25 15:12	
Chloroform	1.00 U	1.00	1	07/06/25 15:12	
Chloromethane	1.00 U	1.00	1	07/06/25 15:12	
Cyclohexane	1.00 U	1.00	1	07/06/25 15:12	
Dibromochloromethane	1.00 U	1.00	1	07/06/25 15:12	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	07/06/25 15:12	
Dichloromethane	1.00 U	1.00	1	07/06/25 15:12	
Ethylbenzene	1.00 U	1.00	1	07/06/25 15:12	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	07/06/25 15:12	
Methyl tert-Butyl Ether	1.00 U	1.00	1	07/06/25 15:12	
Styrene	1.00 U	1.00	1	07/06/25 15:12	
Tetrachloroethene (PCE)	1.00 U	1.00	1	07/06/25 15:12	
Tetrahydrofuran (THF)	5.00 U	5.00	1	07/06/25 15:12	
Toluene	1.00 U	1.00	1	07/06/25 15:12	

ALS Group USA, Corp.
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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Sample Name: RW-A Influent
Lab Code: R2507445-002

Service Request: R2507445
Date Collected: 06/23/25 11:30
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	07/06/25 15:12	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	07/06/25 15:12	
Vinyl Chloride	1.00 U	1.00	1	07/06/25 15:12	
cis-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 15:12	
cis-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 15:12	
m,p-Xylenes	2.00 U	2.00	1	07/06/25 15:12	
o-Xylene	1.00 U	1.00	1	07/06/25 15:12	
trans-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 15:12	
trans-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 15:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	113	85 - 122	07/06/25 15:12	
Dibromofluoromethane	101	80 - 116	07/06/25 15:12	
Toluene-d8	106	87 - 121	07/06/25 15:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-B
Lab Code: R2507445-003

Service Request: R2507445
Date Collected: 06/23/25 12:00
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	07/06/25 15:35	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	07/06/25 15:35	
1,1,2-Trichloroethane	1.00 U	1.00	1	07/06/25 15:35	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	07/06/25 15:35	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	07/06/25 15:35	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	07/06/25 15:35	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	07/06/25 15:35	
1,2-Dibromoethane	1.00 U	1.00	1	07/06/25 15:35	
1,2-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
1,2-Dichloroethane	1.00 U	1.00	1	07/06/25 15:35	
1,2-Dichloropropane	1.00 U	1.00	1	07/06/25 15:35	
1,3-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
1,4-Dichlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
1,4-Dioxane	40.0 U	40.0	1	07/06/25 15:35	
2-Butanone (MEK)	5.00 U	5.00	1	07/06/25 15:35	
2-Hexanone	5.00 U	5.00	1	07/06/25 15:35	
4-Methyl-2-pentanone	5.00 U	5.00	1	07/06/25 15:35	
Acetone	5.00 U	5.00	1	07/06/25 15:35	
Benzene	1.00 U	1.00	1	07/06/25 15:35	
Bromodichloromethane	1.00 U	1.00	1	07/06/25 15:35	
Bromoform	1.00 U	1.00	1	07/06/25 15:35	
Bromomethane	1.00 U	1.00	1	07/06/25 15:35	
Carbon Disulfide	10.0 U	10.0	1	07/06/25 15:35	
Carbon Tetrachloride	1.00 U	1.00	1	07/06/25 15:35	
Chlorobenzene	1.00 U	1.00	1	07/06/25 15:35	
Chloroethane	1.00 U	1.00	1	07/06/25 15:35	
Chloroform	1.00 U	1.00	1	07/06/25 15:35	
Chloromethane	1.00 U	1.00	1	07/06/25 15:35	
Cyclohexane	1.00 U	1.00	1	07/06/25 15:35	
Dibromochloromethane	1.00 U	1.00	1	07/06/25 15:35	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	07/06/25 15:35	
Dichloromethane	1.00 U	1.00	1	07/06/25 15:35	
Ethylbenzene	1.00 U	1.00	1	07/06/25 15:35	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	07/06/25 15:35	
Methyl tert-Butyl Ether	1.00 U	1.00	1	07/06/25 15:35	
Styrene	1.00 U	1.00	1	07/06/25 15:35	
Tetrachloroethene (PCE)	1.00 U	1.00	1	07/06/25 15:35	
Tetrahydrofuran (THF)	5.00 U	5.00	1	07/06/25 15:35	
Toluene	1.00 U	1.00	1	07/06/25 15:35	

ALS Group USA, Corp.
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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-B
Lab Code: R2507445-003

Service Request: R2507445
Date Collected: 06/23/25 12:00
Date Received: 06/24/25 14:45

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	07/06/25 15:35	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	07/06/25 15:35	
Vinyl Chloride	1.00 U	1.00	1	07/06/25 15:35	
cis-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 15:35	
cis-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 15:35	
m,p-Xylenes	2.00 U	2.00	1	07/06/25 15:35	
o-Xylene	1.00 U	1.00	1	07/06/25 15:35	
trans-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 15:35	
trans-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 15:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	07/06/25 15:35	
Dibromofluoromethane	82	80 - 116	07/06/25 15:35	
Toluene-d8	86 *	87 - 121	07/06/25 15:35	*



Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-A
Lab Code: R2507445-001

Service Request: R2507445
Date Collected: 06/23/25 11:20
Date Received: 06/24/25 14:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010D	100 U	ug/L	100	1	06/27/25 18:59	06/26/25	
Antimony, Total	6010D	60 U	ug/L	60	1	06/27/25 18:59	06/26/25	
Arsenic, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Barium, Total	6010D	20 U	ug/L	20	1	06/27/25 18:59	06/26/25	
Beryllium, Total	6010D	3.0 U	ug/L	3.0	1	06/27/25 18:59	06/26/25	
Boron, Total	6010D	2550	ug/L	200	1	06/27/25 18:59	06/26/25	
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 18:59	06/26/25	
Calcium, Total	6010D	2000	ug/L	1000	1	06/27/25 18:59	06/26/25	
Chromium, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Copper, Total	6010D	20 U	ug/L	20	1	06/27/25 18:59	06/26/25	
Iron, Total	6010D	100 U	ug/L	100	1	06/27/25 18:59	06/26/25	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 18:59	06/26/25	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 18:59	06/26/25	
Manganese, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Mercury, Total	7470A	0.20 U	ug/L	0.20	1	06/26/25 11:53	06/25/25	
Nickel, Total	6010D	40 U	ug/L	40	1	06/27/25 18:59	06/26/25	
Potassium, Total	6010D	3800	ug/L	2000	1	06/27/25 18:59	06/26/25	
Selenium, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Silver, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Sodium, Total	6010D	105000	ug/L	1000	1	06/27/25 18:59	06/26/25	
Thallium, Total	6010D	10 U	ug/L	10	1	06/27/25 18:59	06/26/25	
Zinc, Total	6010D	20 U	ug/L	20	1	06/27/25 18:59	06/26/25	

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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-B
Lab Code: R2507445-003

Service Request: R2507445
Date Collected: 06/23/25 12:00
Date Received: 06/24/25 14:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010D	100 U	ug/L	100	1	06/27/25 19:03	06/26/25	
Antimony, Total	6010D	60 U	ug/L	60	1	06/27/25 19:03	06/26/25	
Arsenic, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Barium, Total	6010D	20 U	ug/L	20	1	06/27/25 19:03	06/26/25	
Beryllium, Total	6010D	3.0 U	ug/L	3.0	1	06/27/25 19:03	06/26/25	
Boron, Total	6010D	2570	ug/L	200	1	06/27/25 19:03	06/26/25	
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 19:03	06/26/25	
Calcium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 19:03	06/26/25	
Chromium, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Copper, Total	6010D	20 U	ug/L	20	1	06/27/25 19:03	06/26/25	
Iron, Total	6010D	100 U	ug/L	100	1	06/27/25 19:03	06/26/25	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 19:03	06/26/25	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 19:03	06/26/25	
Manganese, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Mercury, Total	7470A	0.20 U	ug/L	0.20	1	06/26/25 11:56	06/25/25	
Nickel, Total	6010D	40 U	ug/L	40	1	06/27/25 19:03	06/26/25	
Potassium, Total	6010D	2000 U	ug/L	2000	1	06/27/25 19:03	06/26/25	
Selenium, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Silver, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Sodium, Total	6010D	12900	ug/L	1000	1	06/27/25 19:03	06/26/25	
Thallium, Total	6010D	10 U	ug/L	10	1	06/27/25 19:03	06/26/25	
Zinc, Total	6010D	77	ug/L	20	1	06/27/25 19:03	06/26/25	



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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-A
Lab Code: R2507445-001

Service Request: R2507445
Date Collected: 06/23/25 11:20
Date Received: 06/24/25 14:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	72.1	mg/L	2.0	1	06/26/25 03:26	NA	
Ammonia as Nitrogen, undistilled	350.1	0.114	mg/L	0.050	1	07/06/25 00:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	20 U	mg/L	20	10	06/25/25 08:54	NA	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	07/11/25 12:22	NA	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	07/09/25 16:33	NA	
Chloride	300.0	38.9	mg/L	2.0	10	06/24/25 18:45	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/24/25 18:21	NA	*
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/25 16:57	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/26/25 00:05	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	6.62 U	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/25 18:45	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/08/25 14:27	07/07/25	
pH of Color Analysis	SM 2120 B-2001(2011)	7.87	pH Units	-	1	06/25/25 14:42	NA	*
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/02/25 19:20	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	317	mg/L	33	1	06/26/25 10:08	NA	
Sulfate	300.0	122	mg/L	4.0	20	06/24/25 20:13	NA	
Turbidity	180.1	0.33	NTU	0.10	1	06/24/25 17:30	NA	

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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: RW-B
Lab Code: R2507445-003

Service Request: R2507445
Date Collected: 06/23/25 12:00
Date Received: 06/24/25 14:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	9.3	mg/L	2.0	1	06/26/25 03:33	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	07/06/25 00:13	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	20 U	mg/L	20	10	06/25/25 08:57	NA	
Carbon, Total Organic (TOC), Average	9060A	2.0 U	mg/L	2.0	2	07/11/25 12:44	NA	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	07/09/25 16:33	NA	
Chloride	300.0	6.3	mg/L	2.0	10	06/24/25 18:51	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/24/25 18:13	NA	*
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/25 16:57	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/26/25 00:10	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	6.62 U	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	06/24/25 18:51	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/08/25 14:28	07/07/25	
pH of Color Analysis	SM 2120 B-2001(2011)	6.70	pH Units	-	1	06/25/25 14:42	NA	*
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/02/25 19:24	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	44	mg/L	13	1	06/26/25 10:08	NA	
Sulfate	300.0	10.1	mg/L	2.0	10	06/24/25 18:51	NA	
Turbidity	180.1	2.9	NTU	0.10	1	06/24/25 17:30	NA	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	80 - 116	87 - 121
RW-A	R2507445-001	96	85	88
RW-A Influent	R2507445-002	113	101	106
RW-B	R2507445-003	96	82	86 *
Lab Control Sample	RQ2508410-03	100	94	93
Method Blank	RQ2508410-05	98	88	89

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Analytical Report

Client: Analytic
Project: Residents
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ2508410-05

Service Request: R2507445
Date Collected: NA
Date Received: NA
Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.00 U	1.00	1	07/06/25 11:48	
1,1,2,2-Tetrachloroethane	1.00 U	1.00	1	07/06/25 11:48	
1,1,2-Trichloroethane	1.00 U	1.00	1	07/06/25 11:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 U	1.00	1	07/06/25 11:48	
1,1-Dichloroethane (1,1-DCA)	1.00 U	1.00	1	07/06/25 11:48	
1,1-Dichloroethene (1,1-DCE)	1.00 U	1.00	1	07/06/25 11:48	
1,2,3-Trichlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
1,2,4-Trichlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
1,2-Dibromo-3-chloropropane (DBCP)	1.00 U	1.00	1	07/06/25 11:48	
1,2-Dibromoethane	1.00 U	1.00	1	07/06/25 11:48	
1,2-Dichlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
1,2-Dichloroethane	1.00 U	1.00	1	07/06/25 11:48	
1,2-Dichloropropane	1.00 U	1.00	1	07/06/25 11:48	
1,3-Dichlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
1,4-Dichlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
1,4-Dioxane	40.0 U	40.0	1	07/06/25 11:48	
2-Butanone (MEK)	5.00 U	5.00	1	07/06/25 11:48	
2-Hexanone	5.00 U	5.00	1	07/06/25 11:48	
4-Methyl-2-pentanone	5.00 U	5.00	1	07/06/25 11:48	
Acetone	5.00 U	5.00	1	07/06/25 11:48	
Benzene	1.00 U	1.00	1	07/06/25 11:48	
Bromodichloromethane	1.00 U	1.00	1	07/06/25 11:48	
Bromoform	1.00 U	1.00	1	07/06/25 11:48	
Bromomethane	1.00 U	1.00	1	07/06/25 11:48	
Carbon Disulfide	10.0 U	10.0	1	07/06/25 11:48	
Carbon Tetrachloride	1.00 U	1.00	1	07/06/25 11:48	
Chlorobenzene	1.00 U	1.00	1	07/06/25 11:48	
Chloroethane	1.00 U	1.00	1	07/06/25 11:48	
Chloroform	1.00 U	1.00	1	07/06/25 11:48	
Chloromethane	1.00 U	1.00	1	07/06/25 11:48	
Cyclohexane	1.00 U	1.00	1	07/06/25 11:48	
Dibromochloromethane	1.00 U	1.00	1	07/06/25 11:48	
Dichlorodifluoromethane (CFC 12)	1.00 U	1.00	1	07/06/25 11:48	
Dichloromethane	1.00 U	1.00	1	07/06/25 11:48	
Ethylbenzene	1.00 U	1.00	1	07/06/25 11:48	
Isopropylbenzene (Cumene)	1.00 U	1.00	1	07/06/25 11:48	
Methyl tert-Butyl Ether	1.00 U	1.00	1	07/06/25 11:48	
Styrene	1.00 U	1.00	1	07/06/25 11:48	
Tetrachloroethene (PCE)	1.00 U	1.00	1	07/06/25 11:48	
Tetrahydrofuran (THF)	5.00 U	5.00	1	07/06/25 11:48	
Toluene	1.00 U	1.00	1	07/06/25 11:48	

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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2508410-05

Service Request: R2507445
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	1.00 U	1.00	1	07/06/25 11:48	
Trichlorofluoromethane (CFC 11)	1.00 U	1.00	1	07/06/25 11:48	
Vinyl Chloride	1.00 U	1.00	1	07/06/25 11:48	
cis-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 11:48	
cis-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 11:48	
m,p-Xylenes	2.00 U	2.00	1	07/06/25 11:48	
o-Xylene	1.00 U	1.00	1	07/06/25 11:48	
trans-1,2-Dichloroethene	1.00 U	1.00	1	07/06/25 11:48	
trans-1,3-Dichloropropene	1.00 U	1.00	1	07/06/25 11:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	07/06/25 11:48	
Dibromofluoromethane	88	80 - 116	07/06/25 11:48	
Toluene-d8	89	87 - 121	07/06/25 11:48	

ALS Group USA, Corp.
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QA/QC Report

Client: Analytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Analyzed: 07/06/25

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2508410-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624.1	19.0	20.0	95	70-130
1,1,2,2-Tetrachloroethane	624.1	18.3	20.0	92	60-140
1,1,2-Trichloroethane	624.1	17.8	20.0	89	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	624.1	18.2	20.0	91	67-124
1,1-Dichloroethane (1,1-DCA)	624.1	19.8	20.0	99	70-130
1,1-Dichloroethene (1,1-DCE)	624.1	19.5	20.0	98	50-150
1,2,3-Trichlorobenzene	624.1	18.5	20.0	93	67-136
1,2,4-Trichlorobenzene	624.1	18.1	20.0	91	75-132
1,2-Dibromo-3-chloropropane (DBCP)	624.1	16.3	20.0	82	55-136
1,2-Dibromoethane	624.1	18.4	20.0	92	82-127
1,2-Dichlorobenzene	624.1	18.7	20.0	94	65-135
1,2-Dichloroethane	624.1	19.1	20.0	96	70-130
1,2-Dichloropropane	624.1	18.5	20.0	93	35-165
1,3-Dichlorobenzene	624.1	18.7	20.0	94	70-130
1,4-Dichlorobenzene	624.1	18.3	20.0	91	65-135
1,4-Dioxane	624.1	349	400	87	44-154
2-Butanone (MEK)	624.1	21.9	20.0	110	61-137
2-Hexanone	624.1	20.5	20.0	103	63-124
4-Methyl-2-pentanone	624.1	22.9	20.0	114	66-124
Acetone	624.1	19.9	20.0	100	40-161
Benzene	624.1	18.9	20.0	95	65-135
Bromodichloromethane	624.1	18.1	20.0	91	65-135
Bromoform	624.1	18.3	20.0	91	70-130
Bromomethane	624.1	14.3	20.0	72	15-185
Carbon Disulfide	624.1	23.0	20.0	115	66-128
Carbon Tetrachloride	624.1	17.3	20.0	86	70-130
Chlorobenzene	624.1	19.3	20.0	97	65-135
Chloroethane	624.1	20.5	20.0	103	40-160
Chloroform	624.1	19.1	20.0	95	70-135
Chloromethane	624.1	21.5	20.0	108	1-205
Cyclohexane	624.1	18.3	20.0	92	69-120
Dibromochloromethane	624.1	17.7	20.0	88	70-135
Dichlorodifluoromethane (CFC 12)	624.1	24.6	20.0	123	59-155

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QA/QC Report

Client: Analytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Analyzed: 07/06/25

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2508410-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichloromethane	624.1	18.9	20.0	95	60-140
Ethylbenzene	624.1	19.3	20.0	96	60-140
Isopropylbenzene (Cumene)	624.1	20.0	20.0	100	77-128
Methyl tert-Butyl Ether	624.1	18.2	20.0	91	75-118
Styrene	624.1	19.4	20.0	97	80-124
Tetrachloroethene (PCE)	624.1	19.2	20.0	96	70-130
Tetrahydrofuran (THF)	624.1	19.8	20.0	99	48-141
Toluene	624.1	19.3	20.0	97	70-130
Trichloroethene (TCE)	624.1	17.9	20.0	90	65-135
Trichlorofluoromethane (CFC 11)	624.1	19.9	20.0	100	50-150
Vinyl Chloride	624.1	22.5	20.0	112	5-195
cis-1,2-Dichloroethene	624.1	19.8	20.0	99	80-117
cis-1,3-Dichloropropene	624.1	19.6	20.0	98	25-175
m,p-Xylenes	624.1	39.5	40.0	99	80-126
o-Xylene	624.1	19.0	20.0	95	79-123
trans-1,2-Dichloroethene	624.1	19.9	20.0	99	70-130
trans-1,3-Dichloropropene	624.1	19.4	20.0	97	50-150



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Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: R2507445-MB

Service Request: R2507445
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010D	100 U	ug/L	100	1	06/27/25 17:42	06/26/25	
Antimony, Total	6010D	60 U	ug/L	60	1	06/27/25 17:42	06/26/25	
Arsenic, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Barium, Total	6010D	20 U	ug/L	20	1	06/27/25 17:42	06/26/25	
Beryllium, Total	6010D	3.0 U	ug/L	3.0	1	06/27/25 17:42	06/26/25	
Boron, Total	6010D	200 U	ug/L	200	1	06/27/25 17:42	06/26/25	
Cadmium, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 17:42	06/26/25	
Calcium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 17:42	06/26/25	
Chromium, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Copper, Total	6010D	20 U	ug/L	20	1	06/27/25 17:42	06/26/25	
Iron, Total	6010D	100 U	ug/L	100	1	06/27/25 17:42	06/26/25	
Lead, Total	6010D	5.0 U	ug/L	5.0	1	06/27/25 17:42	06/26/25	
Magnesium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 17:42	06/26/25	
Manganese, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Mercury, Total	7470A	0.20 U	ug/L	0.20	1	06/26/25 10:52	06/25/25	
Nickel, Total	6010D	40 U	ug/L	40	1	06/27/25 17:42	06/26/25	
Potassium, Total	6010D	2000 U	ug/L	2000	1	06/27/25 17:42	06/26/25	
Selenium, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Silver, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Sodium, Total	6010D	1000 U	ug/L	1000	1	06/27/25 17:42	06/26/25	
Thallium, Total	6010D	10 U	ug/L	10	1	06/27/25 17:42	06/26/25	
Zinc, Total	6010D	20 U	ug/L	20	1	06/27/25 17:42	06/26/25	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Collected: 06/23/25
Date Received: 06/24/25
Date Analyzed: 06/26/25
Date Extracted: 06/25/25

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: RW-B
Lab Code: R2507445-003
Analysis Method: 7470A
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R2507445-003MS		Duplicate Matrix Spike R2507445-003DMS		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Mercury, Total	0.20 U	0.98	1.00	98	0.97	1.00	97	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Enalytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Analyzed: 06/26/25 - 06/27/25

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2507445-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010D	24300	25000	97	80-120
Antimony, Total	6010D	490	500	98	80-120
Arsenic, Total	6010D	477	500	95	80-120
Barium, Total	6010D	2420	2500	97	80-120
Beryllium, Total	6010D	480	500	96	80-120
Boron, Total	6010D	2420	2500	97	80-120
Cadmium, Total	6010D	489	500	98	80-120
Calcium, Total	6010D	24100	25000	96	80-120
Chromium, Total	6010D	483	500	97	80-120
Copper, Total	6010D	466	500	93	80-120
Iron, Total	6010D	4900	5000	98	80-120
Lead, Total	6010D	495	500	99	80-120
Magnesium, Total	6010D	24400	25000	98	80-120
Manganese, Total	6010D	480	500	96	80-120
Mercury, Total	7470A	0.992	1.00	99	80-120
Nickel, Total	6010D	479	500	96	80-120
Potassium, Total	6010D	23200	25000	93	80-120
Selenium, Total	6010D	495	500	99	80-120
Silver, Total	6010D	471	500	94	80-120
Sodium, Total	6010D	23900	25000	96	80-120
Thallium, Total	6010D	496	500	99	80-120
Zinc, Total	6010D	480	500	96	80-120



General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2507445-MB1

Service Request: R2507445
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	06/25/25 23:32	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	07/05/25 23:34	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	06/25/25 19:50	NA	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	1	07/11/25 06:10	NA	
Chemical Oxygen Demand, Total	Hach 8000 (1979)	5.0 U	mg/L	5.0	1	07/09/25 16:33	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	06/24/25 16:33	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	06/24/25 18:04	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	06/24/25 16:57	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/25 21:31	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	06/24/25 16:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	07/08/25 14:06	07/07/25	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	07/02/25 17:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	06/26/25 10:08	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/24/25 16:33	NA	
Turbidity	180.1	0.10 U	NTU	0.10	1	06/24/25 17:30	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Enalytic
Project: Residents
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2507445-MB2

Service Request: R2507445
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/24/25 19:04	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Analytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Collected: 06/23/25
Date Received: 06/24/25
Date Analyzed: 07/8/25
Date Extracted: 07/7/25

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: RW-B
Lab Code: R2507445-003
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2507445-003MS			Duplicate Matrix Spike R2507445-003DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	0.20 U	2.39	2.50	96	2.48	2.50	99	90-110	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Analytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Analyzed: 06/24/25 - 07/11/25

**Lab Control Sample Summary
General Chemistry Parameters**

Units:mg/L
Basis:NA

**Lab Control Sample
R2507445-LCS1**

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	25.7	25.0	103	80-120
Ammonia as Nitrogen, undistilled	350.1	0.479	0.500	96	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	201	198	101	85-115
Carbon, Total Organic (TOC), Average	9060A	26.1	25.0	105	80-121
Chemical Oxygen Demand, Total	Hach 8000 (1979)	50.2	50.0	100	90-110
Chloride	300.0	2.05	2.00	103	90-110
Chromium, Hexavalent	7196A	0.101	0.100	101	80-120
Cyanide, Total	Kelada-01	0.0959	0.100	96	90-110
Nitrate as Nitrogen	300.0	1.01	1.00	101	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.34	2.50	94	90-110
Phenolics, Total Recoverable	9066	0.0390	0.0400	98	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	866	914	95	90-110
Sulfate	300.0	1.93	2.00	97	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Analytic
Project: Residents
Sample Matrix: Water

Service Request: R2507445
Date Analyzed: 06/24/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2507445-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	1.94	2.00	97	90-110

Appendix E

Landfill Gas Sampling



Town of Van Buren Landfill (CLOSED) Gas Vent Survey Log

Logged By:	Brian Nichols
Temperature (°F)/Weather:	90 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Vent Location	Gas Reading (PPM)	Comments
6/22/2025	GV-1	ND	
6/22/2025	GV-2	ND	
6/22/2025	GV-3	ND	
6/22/2025	GV-4	ND	
6/22/2025	GV-5	ND	
6/22/2025	GV-6	8,476	
6/22/2025	GV-7	1,204	
6/22/2025	GV-8	ND	
6/22/2025	GV-9	> 10,000	
6/22/2025	GV-10	ND	
6/22/2025	GV-11	5,870	
6/22/2025	GV-12	856	
6/22/2025	GV-13	ND	
6/22/2025	GV-14	> 10,000	
6/22/2025	GV-15	8,895	
6/22/2025	GV-16	ND	
6/22/2025	GV-17	ND	
6/22/2025	GV-18	7,624	
6/22/2025	GV-19	ND	
6/22/2025	GV-20	ND	
6/22/2025	GV-21	ND	
6/22/2025	GV-22	ND	
6/22/2025	GV-23	8,234	
6/22/2025	GV-24	758	
6/22/2025	GV-25	ND	
6/22/2025	GV-26	ND	
6/22/2025	GV-27	503	
6/22/2025	GV-28	ND	
6/22/2025	GV-29	ND	
6/22/2025	GV-30	ND	

Notes:	ND = Not Detected
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**Town of Van Buren Landfill (CLOSED)
Gas Point Survey Log**

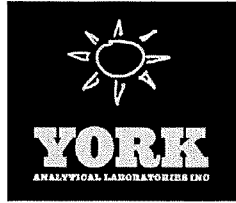
Logged By:	Brian Nichols
Temperature (°F)/Weather:	90 deg.
Instrument Model:	Gas Detector Model: FD-90E

Date	Gas Monitoring Point Location	Gas Reading (PPM)	Comments
6/22/2025	GP-1	ND	
6/22/2025	GP-2	ND	
6/22/2025	GP-3	ND	
6/22/2025	GP-4	ND	
6/22/2025	GP-5	ND	
6/22/2025	GP-6	ND	
6/22/2025	GP-7	ND	
6/22/2025	GP-8	ND	
6/22/2025	GP-9	ND	
6/22/2025	GP-10	ND	
6/22/2025	GP-11	ND	
6/22/2025	GP-12	ND	
6/22/2025	GP-13	ND	
6/22/2025	GP-14	ND	
6/22/2025	GP-15	ND	
6/22/2025	GP-16	ND	
6/22/2025	GP-17	ND	
6/22/2025	GP-18	ND	
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6/22/2025	GP-27	ND	
6/22/2025	GP-28	ND	
6/22/2025	GP-29	ND	
6/22/2025	GP-30	ND	
6/22/2025	GP-31	ND	
6/22/2025	GP-32	ND	
6/22/2025	GP-33	ND	
6/22/2025	GP-34	ND	
6/22/2025	GP-35	ND	
6/22/2025	GP-36	ND	
6/22/2025	GP-37	ND	
6/22/2025	GP-38	ND	
6/22/2025	GP-39	ND	
6/22/2025	GP-40	ND	

Notes:	ND = Not Detected
---------------	--------------------------

Appendix F

PFA's Sampling



Technical Report

prepared for:

ALS Environmental
1565 Jefferson Road
Rochester NY, 14623
Attention: Meghan Pedro

Report Date: 07/02/2025
Client Project ID: R2507444
York Project (SDG) No.: 25F1768

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 07/02/2025
Client Project ID: R2507444
York Project (SDG) No.: 25F1768

ALS Environmental
1565 Jefferson Road
Rochester NY, 14623
Attention: Meghan Pedro

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 27, 2025 and listed below. The project was identified as your project: **R2507444**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

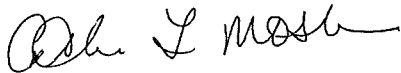
Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25F1768-01	MW-5S	Water	06/23/2025	06/27/2025
25F1768-02	MW-5D	Water	06/23/2025	06/27/2025
25F1768-03	MW-9D	Water	06/23/2025	06/27/2025
25F1768-04	MW-X	Water	06/23/2025	06/27/2025
25F1768-05	MW-6S	Water	06/23/2025	06/27/2025
25F1768-06	Field Blank	Water	06/23/2025	06/27/2025

General Notes for York Project (SDG) No.: 25F1768

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

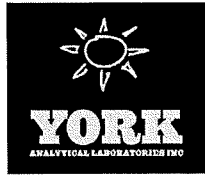
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 07/02/2025





Sample Information

Client Sample ID: MW-5S

York Sample ID: 25F1768-01

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 8:00 am

Date Received
06/27/2025

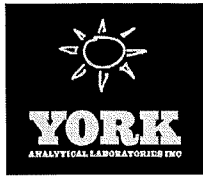
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.02	J	ng/L	0.428	1.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1.45	J	ng/L	0.319	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.27	J	ng/L	0.647	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.67		ng/L	0.620	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
335-67-1	Perfluorooctanoic acid (PFOA)	5.56		ng/L	0.383	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	22.7		ng/L	0.747	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
375-95-1	Perfluorononanoic acid (PFNA)	0.675	J	ng/L	0.474	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.683	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.03	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.802	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.674	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.629	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.720	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.938	1.82	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.64	J	ng/L	0.210	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.802	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.829	1.74	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.20	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.83	6.92	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.87	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	4.72	J	ng/L	0.301	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM



Sample Information

Client Sample ID: MW-5S

York Sample ID: 25F1768-01

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 8:00 am

Date Received
06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

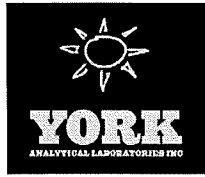
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.456	3.24	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:10	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.95	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:10	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.228	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:10	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.337	3.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:10	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.692	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.63	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.94	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.26	6.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.638	6.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
919005-14-4	ADONA	ND		ng/L	0.483	6.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.847	1.77	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.784	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:10	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.85	4.56	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.68	22.8	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.63	22.8	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.64	18.2	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.44	1.82	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.64	18.2	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.64	1.82	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:10	AM

Surrogate Recoveries

Result

Acceptance Range

M3PFBS	Surrogate: M3PFBS	76.7 %	25-150
338-30-1	Surrogate: M5PFHxA	105 %	25-150
13C4PFHPA	Surrogate: M4PFHPA	122 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	104 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	107 %	25-150



Sample Information

Client Sample ID: MW-5S					York Sample ID: 25F1768-01
York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 8:00 am	Date Received 06/27/2025	

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C6PFDA	Surrogate: M6PFDA	77.6 %			25-150						
13C7PFUNA	Surrogate: M7PFUdA	52.5 %			25-150						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.1 %			25-150						
13C2PFTEDA	Surrogate: M2PFTeDA	22.2 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	42.4 %			25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	92.8 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	79.8 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	75.3 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	83.5 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	84.0 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	228 %	PFSu-H		25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	141 %			25-200						
13C9PFNA	Surrogate: M9PFNA	101 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	225 %	PFSu-H		25-150						
936109-37-4	Surrogate: d-N-MeFOSA	38.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	31.0 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	98.3 %			25-150						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	20.7 %	PFSu-L		25-150						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	24.5 %	PFSu-L		25-150						

Sample Information

Client Sample ID: MW-5D					York Sample ID: 25F1768-02
York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 8:45 am	Date Received 06/27/2025	

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.423	1.59	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.315	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.639	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM



Sample Information

Client Sample ID: MW-5D

York Sample ID: 25F1768-02

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 8:45 am

Date Received
06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.612	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.378	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.738	1.67	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.468	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.675	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.792	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.666	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.621	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.711	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.927	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.207	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.792	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.819	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.19	1.74	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.75	6.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.297	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.450	3.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:22	AM
151772-58-6	Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ng/L	1.93	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:22	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.225	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:22	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.333	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 08:22	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.684	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM



Sample Information

Client Sample ID: MW-5D **York Sample ID:** 25F1768-02
York Project (SDG) No.: 25F1768 **Client Project ID:** R2507444 **Matrix:** Water **Collection Date/Time:** June 23, 2025 8:45 am **Date Received:** 06/27/2025

Q P PFAS, EPA 1633 Target List

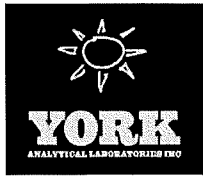
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.61	6.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.91	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.24	6.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.630	6.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
919005-14-4	ADONA	ND		ng/L	0.477	6.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.837	1.75	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.774	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 08:22	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPiPA)	ND		ng/L	1.83	4.50	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.60	22.5	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.53	22.5	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.42	1.80	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.62	1.80	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 08:22	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	47.7 %	25-150
338-30-1	Surrogate: M5PFHxA	95.5 %	25-150
13C4PFHPA	Surrogate: M4PFHpA	110 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	110 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	109 %	25-150
13C6PFDA	Surrogate: M6PFDA	105 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	94.9 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	73.9 %	25-150
13C2PFTEDA	Surrogate: M2PFTeDA	64.0 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	14.2 %	PFSu-L 25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	107 %	25-150



Sample Information

Client Sample ID: MW-5D

York Sample ID: 25F1768-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 25F1768, R2507444, Water, June 23, 2025 8:45 am, 06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds and their results.

Sample Information

Client Sample ID: MW-9D

York Sample ID: 25F1768-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 25F1768, R2507444, Water, June 23, 2025 10:00 am, 06/27/2025

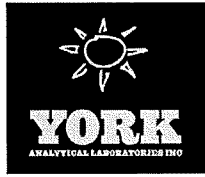
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds and their results.



Sample Information

Client Sample ID: MW-9D

York Sample ID: 25F1768-03

York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 10:00 am	Date Received 06/27/2025
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Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.665	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.620	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.710	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.926	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.897	J	ng/L	0.207	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.791	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.818	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.19	1.74	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.74	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.84	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.297	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.450	3.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 09:23	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.92	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 09:23	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.225	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 09:23	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.333	3.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 13:34	07/01/2025 09:23	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.683	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.61	6.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.90	7.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.24	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.629	6.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
919005-14-4	ADONA	ND		ng/L	0.477	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM



Sample Information

Client Sample ID: MW-9D

York Sample ID: 25F1768-03

York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 10:00 am	Date Received 06/27/2025
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Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.836	1.74	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.773	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 13:34	07/01/2025 09:23	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.83	4.50	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.59	22.5	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.51	22.5	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.42	1.80	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.59	18.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.62	1.80	1	EPA 1633 Draft 3 Certifications:	06/29/2025 13:34	07/01/2025 09:23	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	126 %	25-150
338-30-1	Surrogate: M5PFHxA	108 %	25-150
13C4PFHPA	Surrogate: M4PFHPA	110 %	25-150
13C3PFHXS	Surrogate: M3PFHxS	121 %	25-150
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	113 %	25-150
13C6PFDA	Surrogate: M6PFDA	85.4 %	25-150
13C7PFUNA	Surrogate: M7PFUdA	74.7 %	25-150
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	52.6 %	25-150
13C2PFTEdA	Surrogate: M2PFTEdA	50.3 %	10-150
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	27.2 %	25-150
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	100 %	25-150
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.9 %	25-150
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	83.3 %	10-150
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	89.0 %	25-150
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	102 %	25-150
M2-6:2FTS	Surrogate: M2-6:2 FTS	628 %	PFSu-H 25-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	187 %	25-200
13C9PFNA	Surrogate: M9PFNA	93.9 %	25-150
M2-4:2FTS	Surrogate: M2-4:2 FTS	580 %	PFSu-H 25-150



Sample Information

Client Sample ID: MW-9D **York Sample ID:** 25F1768-03

York Project (SDG) No. 25F1768 **Client Project ID** R2507444 **Matrix** Water **Collection Date/Time** June 23, 2025 10:00 am **Date Received** 06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-37-4	Surrogate: d-N-MeFOSA	62.5 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	53.2 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	95.8 %			25-150						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	47.2 %			25-150						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	48.7 %			25-150						

Sample Information

Client Sample ID: MW-X **York Sample ID:** 25F1768-04

York Project (SDG) No. 25F1768 **Client Project ID** R2507444 **Matrix** Water **Collection Date/Time** June 23, 2025 10:00 am **Date Received** 06/27/2025

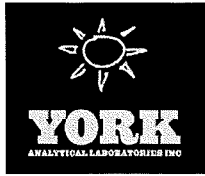
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.426	1.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.317	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.643	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.616	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.381	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.743	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
375-95-1	Perfluorononanoic acid (PFNA)	0.486	J	ng/L	0.471	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.680	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.798	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.671	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.625	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.716	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM



Sample Information

Client Sample ID: MW-X

York Sample ID: 25F1768-04

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 10:00 am

Date Received
06/27/2025

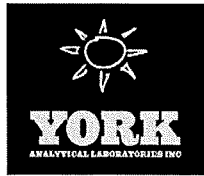
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	N-EtFOSAA	ND		ng/L	0.933	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	0,965	J	ng/L	0.208	3.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.798	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.825	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.20	1.75	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.80	6.89	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.86	6.96	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.299	7.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.453	3.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:28	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	1.94	3.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:28	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.227	3.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:28	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.335	3.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:28	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.689	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.62	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.93	7.25	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.25	6.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.634	6.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
919005-14-4	ADONA	ND		ng/L	0.480	6.85	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.843	1.76	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.779	1.74	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:28	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.84	4.53	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.64	22.7	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM



Sample Information

Client Sample ID: MW-X **York Sample ID:** 25F1768-04
York Project (SDG) No. 25F1768 **Client Project ID** R2507444 **Matrix** Water **Collection Date/Time** June 23, 2025 10:00 am **Date Received** 06/27/2025

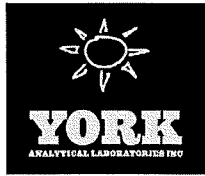
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND	PF-CCV -L	ng/L	8.58	22.7	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.62	18.1	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.43	1.81	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.62	18.1	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.63	1.81	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:28	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	128 %	25-150								
338-30-1	Surrogate: M5PFHxA	128 %	25-150								
13C4PFHPA	Surrogate: M4PFHpA	121 %	25-150								
13C3PFHXS	Surrogate: M3PFHxS	135 %	25-150								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	129 %	25-150								
13C6PFDA	Surrogate: M6PFDA	117 %	25-150								
13C7PFUNA	Surrogate: M7PFUdA	104 %	25-150								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPPDoA)	82.3 %	25-150								
13C2PFTEDA	Surrogate: M2PFTeDA	78.7 %	10-150								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	14.8 %	PFSu-L	25-150							
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	117 %	25-150								
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	89.0 %	25-150								
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	111 %	10-150								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	118 %	25-150								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	134 %	25-150								
M2-6:2FTS	Surrogate: M2-6:2 FTS	683 %	PFSu-H	25-200							
M2-8:2FTS	Surrogate: M2-8:2 FTS	232 %	PFSu-H	25-200							
13C9PFNA	Surrogate: M9PFNA	118 %	25-150								
M2-4:2FTS	Surrogate: M2-4:2 FTS	573 %	PFSu-H	25-150							
936109-37-4	Surrogate: d-N-MeFOSA	87.6 %	25-150								
936109-40-9	Surrogate: d-N-EtFOSA	81.2 %	25-150								
M3HFPO-DA	Surrogate: M3HFPO-DA	121 %	25-150								
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	74.2 %	25-150								
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	81.3 %	25-150								



Sample Information

Client Sample ID: MW-6S

York Sample ID: 25F1768-05

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 10:30 am

Date Received
06/27/2025

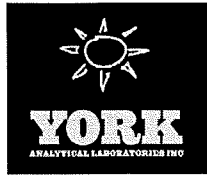
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.424	1.60	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.316	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.641	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.614	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.379	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.740	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.470	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.677	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.02	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.795	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.668	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.623	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.713	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.930	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.208	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.795	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.822	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.19	1.74	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.77	6.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	6.94	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.298	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.452	3.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:41	AM
151772-58-6	Perfluoro-3,6-dioxiheptanoic acid (NFDHA)	ND		ng/L	1.93	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:41	AM



Sample Information

Client Sample ID: MW-6S

York Sample ID: 25F1768-05

York Project (SDG) No. 25F1768 Client Project ID R2507444 Matrix Water Collection Date/Time June 23, 2025 10:30 am Date Received 06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS-L	ng/L	0.226	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:41	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.334	3.61	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 15:41	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.686	1.70	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.62	6.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.92	7.22	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.25	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.632	6.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
919005-14-4	ADONA	ND		ng/L	0.479	6.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.840	1.75	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.777	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 15:41	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.83	4.52	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.62	22.6	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND	PF-CCV-L	ng/L	8.55	22.6	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.60	18.1	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.43	1.81	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.60	18.1	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.63	1.81	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 15:41	AM

Surrogate Recoveries	Result	Acceptance Range
M3PFBS Surrogate: M3PFBS	97.7 %	25-150
338-30-1 Surrogate: M5PFHxA	99.8 %	25-150
13C4PFHPA Surrogate: M4PFHpA	109 %	25-150
13C3PFHXS Surrogate: M3PFHxS	107 %	25-150
13C8PFOA Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	104 %	25-150
13C6PFDA Surrogate: M6PFDA	90.3 %	25-150
13C7PFUNA Surrogate: M7PFUdA	84.8 %	25-150
960315-52-0 Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	67.3 %	25-150



Sample Information

Client Sample ID: MW-6S					York Sample ID: 25F1768-05
York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 10:30 am	Date Received 06/27/2025	

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTEDA	56.5 %			10-150						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	10.5 %	PFSu-L		25-150						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	104 %			25-150						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	71.1 %			25-150						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	90.6 %			10-150						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	94.7 %			25-150						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	96.8 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	140 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	116 %			25-200						
13C9PFNA	Surrogate: M9PFNA	94.8 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	132 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	87.8 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	75.8 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	117 %			25-150						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	55.5 %			25-150						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	60.1 %			25-150						

Sample Information

Client Sample ID: Field Blank					York Sample ID: 25F1768-06
York Project (SDG) No. 25F1768	Client Project ID R2507444	Matrix Water	Collection Date/Time June 23, 2025 11:00 am	Date Received 06/27/2025	

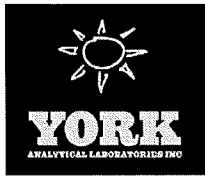
Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.433	1.63	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.323	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.655	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.627	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.387	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 25F1768-06

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 11:00 am

Date Received
06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.756	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.479	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.691	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.04	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.811	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.682	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.636	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.728	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.950	1.84	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.212	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.811	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.839	1.76	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.22	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	6.91	7.01	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	7.08	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.304	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.461	3.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 16:05	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.97	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 16:05	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS- L	ng/L	0.230	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 16:05	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.341	3.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/29/2025 17:50	07/01/2025 16:05	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.701	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.65	6.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.98	7.38	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM



Sample Information

Client Sample ID: Field Blank

York Sample ID: 25F1768-06

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 11:00 am

Date Received
06/27/2025

Q P PFAS, EPA 1633 Target List

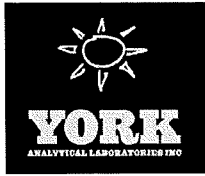
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.27	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.645	6.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
919005-14-4	ADONA	ND		ng/L	0.489	6.97	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.857	1.79	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.793	1.77	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	06/29/2025 17:50	07/01/2025 16:05	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPpPA)	ND		ng/L	1.87	4.61	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.76	23.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND	PF-CCV -L	ng/L	8.73	23.0	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.68	18.4	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.46	1.84	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.68	18.4	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.66	1.84	1	EPA 1633 Draft 3 Certifications:	06/29/2025 17:50	07/01/2025 16:05	AM

Surrogate Recoveries	Result	Acceptance Range
M3PFBS Surrogate: M3PFBS	110 %	25-150
338-30-1 Surrogate: M5PFHxA	123 %	25-150
13C4PFHPA Surrogate: M4PFHPA	130 %	25-150
13C3PFHXS Surrogate: M3PFHXS	120 %	25-150
13C8PFOA Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	120 %	25-150
13C6PFDA Surrogate: M6PFDA	105 %	25-150
13C7PFUNA Surrogate: M7PFUdA	101 %	25-150
960315-52-0 Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	81.1 %	25-150
13C2PFTEDA Surrogate: M2PFTEDA	66.2 %	10-150
13C4PFBA Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	6.01 %	PFSu-L 25-150
13C8PFOS Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	109 %	25-150
13C5PFPEA Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	67.2 %	25-150
13C8FOSA Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	102 %	10-150
D3-NMEFOSAA Surrogate: d3-N-MeFOSAA	103 %	25-150



Sample Information

Client Sample ID: Field Blank

York Sample ID: 25F1768-06

York Project (SDG) No.
25F1768

Client Project ID
R2507444

Matrix
Water

Collection Date/Time
June 23, 2025 11:00 am

Date Received
06/27/2025

Q P PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	101 %			25-150						
M2-6:2FTS	Surrogate: M2-6:2 FTS	147 %			25-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	121 %			25-200						
13C9PFNA	Surrogate: M9PFNA	108 %			25-150						
M2-4:2FTS	Surrogate: M2-4:2 FTS	150 %			25-150						
936109-37-4	Surrogate: d-N-MeFOSA	85.3 %			25-150						
936109-40-9	Surrogate: d-N-EtFOSA	75.7 %			25-150						
M3HFPO-DA	Surrogate: M3HFPO-DA	139 %			25-150						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	55.5 %			25-150						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	65.7 %			25-150						



Analytical Batch Summary

Batch ID: BF52046 **Preparation Method** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
25F1768-01	MW-5S	06/29/25
25F1768-02	MW-5D	06/29/25
25F1768-03	MW-9D	06/29/25
BF52046-BLK1	Blank	06/29/25
BF52046-BS1	LCS	06/29/25
BF52046-BS2	LCS	06/29/25
BF52046-MS1	Matrix Spike	06/29/25
BF52046-MSD1	Matrix Spike Dup	06/29/25

Batch ID: BF52047 **Preparation Method** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
25F1768-04	MW-X	06/29/25
25F1768-05	MW-6S	06/29/25
25F1768-06	Field Blank	06/29/25
BF52047-BLK1	Blank	06/29/25
BF52047-BLK2	Blank	06/29/25
BF52047-BS1	LCS	06/29/25
BF52047-BS2	LCS	06/29/25
BF52047-DUP1	Duplicate	06/29/25



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52046 - EPA 1633 Prep

Blank (BF52046-BLK1)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								

Surrogate: M3PFBS	20.7		"	23.3		88.8	25-150				
Surrogate: M5PFHxA	24.8		"	25.0		99.1	25-150				
Surrogate: M4PFHpA	28.3		"	25.0		113	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52046 - EPA 1633 Prep

Blank (BF52046-BLK1)

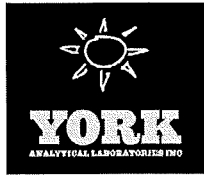
Prepared: 06/29/2025 Analyzed: 07/01/2025

Surrogate: M3PFHxS	23.2		ng/L	23.7		97.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (MBPFOA)	26.6		"	25.0		106	25-150				
Surrogate: M6PFDA	12.5		"	12.5		99.8	25-150				
Surrogate: M7PFDA	11.1		"	12.5		88.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.77		"	12.5		78.2	25-150				
Surrogate: M2PFTeDA	7.88		"	12.5		63.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.98		"	100		1.98	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.9		"	24.0		108	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	21.9		"	50.0		43.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.6		"	25.0		98.5	10-150				
Surrogate: d3-N-MeFOSAA	57.2		"	50.0		114	25-150				
Surrogate: d5-N-EtFOSAA	54.9		"	50.0		110	25-150				
Surrogate: M2-6:2 FTS	61.1		"	47.6		128	25-200				
Surrogate: M2-8:2 FTS	56.2		"	48.0		117	25-200				
Surrogate: M9PFNA	13.6		"	12.5		108	25-150				
Surrogate: M2-4:2 FTS	56.5		"	46.9		121	25-150				
Surrogate: d-N-MeFOSA	19.2		"	25.0		76.9	25-150				
Surrogate: d-N-EtFOSA	18.8		"	25.0		75.1	25-150				
Surrogate: M3HFPO-DA	101		"	100		101	25-150				
Surrogate: d9-N-EtFOSE	115		"	250		46.2	25-150				
Surrogate: d7-N-MeFOSE	131		"	250		52.5	25-150				

LCS (BF52046-BS1)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	41.0	1.77	ng/L	35.4		116	50-150				
Perfluorohexanoic acid (PFHxA)	49.0	2.00	"	40.0		122	50-150				
Perfluoroheptanoic acid (PFHpA)	46.6	2.00	"	40.0		117	50-150				
Perfluorohexanesulfonic acid (PFHxS)	46.4	1.83	"	36.6		127	50-150				
Perfluorooctanoic acid (PFOA)	47.3	2.00	"	40.0		118	50-150				
Perfluorooctanesulfonic acid (PFOS)	48.5	1.86	"	37.2		130	50-150				
Perfluorononanoic acid (PFNA)	46.9	2.00	"	40.0		117	50-150				
Perfluorodecanoic acid (PFDA)	46.9	2.00	"	40.0		117	50-150				
Perfluoroundecanoic acid (PFUnA)	47.1	2.00	"	40.0		118	50-150				
Perfluorododecanoic acid (PFDoA)	46.1	2.00	"	40.0		115	50-150				
Perfluorotridecanoic acid (PFTTrDA)	48.6	2.00	"	40.0		122	50-150				
Perfluorotetradecanoic acid (PFTA)	44.7	2.00	"	40.0		112	50-150				
N-MeFOSAA	46.2	2.00	"	40.0		116	50-150				
N-EtFOSAA	48.8	2.00	"	40.0		122	50-150				
Perfluoropentanoic acid (PFPeA)	88.6	4.00	"	80.0		111	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	43.7	2.00	"	40.0		109	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	49.4	1.91	"	38.2		129	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	40.3	1.93	"	38.6		104	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	182	7.60	"	152		120	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	175	7.68	"	154		114	50-150				
Perfluoro-n-butanoic acid (PFBA)	150	8.00	"	160		94.0	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52046 - EPA 1633 Prep

LCS (BF52046-BS1)

Prepared: 06/29/2025 Analyzed: 07/01/2025

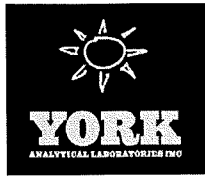
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	80.4	3.56	ng/L	71.2		113	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	93.9	4.00	"	80.0		117	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	12.1	4.00	"	80.0		15.1	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	110	4.00	"	80.0		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	48.2	1.88	"	37.6		128	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	191	7.50	"	150		127	50-150				
HFPO-DA (Gen-X)	82.0	8.00	"	80.0		102	50-150				
11CL-PF3OUds	66.2	7.56	"	75.6		87.5	50-150				
9CL-PF3ONS	78.7	7.48	"	74.8		105	50-150				
ADONA	94.2	7.56	"	75.6		125	50-150				
Perfluorododecanesulfonic acid (PFDoS)	31.0	1.94	"	38.8		80.0	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	49.2	1.92	"	38.4		128	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	91.5	5.00	"	160		57.2	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	921	25.0	"	800		115	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	956	25.0	"	800		120	50-150				
N-MeFOSE	446	20.0	"	400		112	50-150				
N-MeFOSA	42.2	2.00	"	40.0		106	50-150				
N-EtFOSE	413	20.0	"	400		103	50-150				
N-EtFOSA	41.3	2.00	"	40.0		103	50-150				
Surrogate: M3PFBS	22.4		"	23.3		96.1	25-150				
Surrogate: M5PFHxA	26.3		"	25.0		105	25-150				
Surrogate: M4PFHpA	31.4		"	25.0		126	25-150				
Surrogate: M3PFHxS	25.9		"	23.7		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	27.7		"	25.0		111	25-150				
Surrogate: M6PFDA	13.0		"	12.5		104	25-150				
Surrogate: M7PFUdA	12.3		"	12.5		98.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.3		"	12.5		82.3	25-150				
Surrogate: M2PFTeDA	8.73		"	12.5		69.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.32		"	100		2.32	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.8		"	24.0		108	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	22.1		"	50.0		44.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.4		"	25.0		102	10-150				
Surrogate: d3-N-MeFOSAA	54.9		"	50.0		110	25-150				
Surrogate: d5-N-EtFOSAA	59.5		"	50.0		119	25-150				
Surrogate: M2-6:2 FTS	65.0		"	47.6		137	25-200				
Surrogate: M2-8:2 FTS	62.0		"	48.0		129	25-200				
Surrogate: M9PFNA	13.4		"	12.5		107	25-150				
Surrogate: M2-4:2 FTS	56.7		"	46.9		121	25-150				
Surrogate: d-N-MeFOSA	20.8		"	25.0		83.4	25-150				
Surrogate: d-N-EtFOSA	19.6		"	25.0		78.4	25-150				
Surrogate: M3HFPO-DA	109		"	100		109	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF52046 - EPA 1633 Prep											
LCS (BF52046-BS1)						Prepared: 06/29/2025 Analyzed: 07/01/2025					
Surrogate: d9-N-EtFOSE	132		ng/L	250		52.6	25-150				
Surrogate: d7-N-MeFOSE	134		"	250		53.8	25-150				
LCS (BF52046-BS2)						Prepared: 06/29/2025 Analyzed: 07/01/2025					
Perfluorobutanesulfonic acid (PFBS)	4.09	1.77	ng/L	3.54		116	50-150				
Perfluorohexanoic acid (PFHxA)	4.30	2.00	"	4.00		107	50-150				
Perfluoroheptanoic acid (PFHpA)	4.34	2.00	"	4.00		108	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.42	1.83	"	3.66		121	50-150				
Perfluorooctanoic acid (PFOA)	4.34	2.00	"	4.00		108	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.93	1.86	"	3.72		106	50-150				
Perfluorononanoic acid (PFNA)	4.49	2.00	"	4.00		112	50-150				
Perfluorodecanoic acid (PFDA)	4.11	2.00	"	4.00		103	50-150				
Perfluoroundecanoic acid (PFUnA)	4.61	2.00	"	4.00		115	50-150				
Perfluorododecanoic acid (PFDoA)	4.32	2.00	"	4.00		108	50-150				
Perfluorotridecanoic acid (PFTrDA)	4.85	2.00	"	4.00		121	50-150				
Perfluorotetradecanoic acid (PFTA)	3.93	2.00	"	4.00		98.3	50-150				
N-MeFOSAA	3.61	2.00	"	4.00		90.3	50-150				
N-EtFOSAA	4.18	2.00	"	4.00		105	50-150				
Perfluoropentanoic acid (PFPeA)	8.61	4.00	"	8.00		108	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.73	2.00	"	4.00		118	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.96	1.91	"	3.82		104	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.01	1.93	"	3.86		104	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.8	7.60	"	15.2		90.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.9	7.68	"	15.4		110	50-150				
Perfluoro-n-butanoic acid (PFBA)	17.3	8.00	"	16.0		108	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.98	3.56	"	7.12		98.0	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	9.55	4.00	"	8.00		119	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.82	4.00	"	8.00		22.7	50-150				Low Bias
Perfluoro-5-oxahexanoic acid (PFMBA)	12.2	4.00	"	8.00		153	50-150				High Bias
Perfluoro-1-pentanesulfonate (PFPeS)	4.13	1.88	"	3.76		110	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	17.8	7.50	"	15.0		118	50-150				
HFPO-DA (Gen-X)	9.02	8.00	"	8.00		113	50-150				
11CL-PF3OUds	7.93	7.56	"	7.56		105	50-150				
9CL-PF3ONS	7.84	7.48	"	7.48		105	50-150				
ADONA	9.37	7.56	"	7.56		124	50-150				
Perfluorododecanesulfonic acid (PFDoS)	3.90	1.94	"	3.88		100	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.06	1.92	"	3.84		106	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	13.8	5.00	"	16.0		86.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	89.3	25.0	"	80.0		112	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	84.4	25.0	"	80.0		106	50-150				
N-MeFOSE	43.0	20.0	"	40.0		108	50-150				
N-MeFOSA	4.82	2.00	"	4.00		120	50-150				
N-EtFOSE	39.2	20.0	"	40.0		98.0	50-150				
N-EtFOSA	3.75	2.00	"	4.00		93.7	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
									RPD	Limit

Batch BF52046 - EPA 1633 Prep

LCS (BF52046-BS2)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Surrogate: M3PFBS	22.4		ng/L	23.3		96.0	25-150			
Surrogate: M5PFHxA	26.1		"	25.0		104	25-150			
Surrogate: M4PFHpA	31.0		"	25.0		124	25-150			
Surrogate: M3PFHxS	23.9		"	23.7		101	25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	28.0		"	25.0		112	25-150			
Surrogate: M6PFDA	13.7		"	12.5		110	25-150			
Surrogate: M7PFUDa	13.3		"	12.5		106	25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.8		"	12.5		86.4	25-150			
Surrogate: M2PFTeDA	8.90		"	12.5		71.2	10-150			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.40		"	100		2.40	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.2		"	24.0		109	25-150			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	21.8		"	50.0		43.6	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOA)	24.4		"	25.0		97.5	10-150			
Surrogate: d3-N-MeFOSAA	56.6		"	50.0		113	25-150			
Surrogate: d5-N-EtFOSAA	63.6		"	50.0		127	25-150			
Surrogate: M2-6:2 FTS	67.4		"	47.6		142	25-200			
Surrogate: M2-8:2 FTS	58.4		"	48.0		122	25-200			
Surrogate: M9PFNA	13.3		"	12.5		106	25-150			
Surrogate: M2-4:2 FTS	55.1		"	46.9		117	25-150			
Surrogate: d-N-MeFOSA	21.4		"	25.0		85.6	25-150			
Surrogate: d-N-EtFOSA	18.5		"	25.0		73.8	25-150			
Surrogate: M3HFPO-DA	109		"	100		109	25-150			
Surrogate: d9-N-EtFOSE	135		"	250		54.0	25-150			
Surrogate: d7-N-MeFOSE	136		"	250		54.5	25-150			

Matrix Spike (BF52046-MS1)

*Source sample: 25F1768-02 (MW-5D)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	39.0	1.77	ng/L	35.4	ND	110	25-150			
Perfluorohexanoic acid (PFHxA)	46.7	2.00	"	40.0	ND	117	25-150			
Perfluoroheptanoic acid (PFHpA)	45.9	2.00	"	40.0	ND	115	25-150			
Perfluorohexanesulfonic acid (PFHxS)	43.9	1.83	"	36.6	ND	120	25-150			
Perfluorooctanoic acid (PFOA)	46.1	2.00	"	40.0	ND	115	25-150			
Perfluorooctanesulfonic acid (PFOS)	44.1	1.86	"	37.2	ND	118	25-150			
Perfluorononanoic acid (PFNA)	44.7	2.00	"	40.0	ND	112	25-150			
Perfluorodecanoic acid (PFDA)	45.6	2.00	"	40.0	ND	114	25-150			
Perfluoroundecanoic acid (PFUnA)	42.9	2.00	"	40.0	ND	107	25-150			
Perfluorododecanoic acid (PFDoA)	42.7	2.00	"	40.0	ND	107	25-150			
Perfluorotridecanoic acid (PFTrDA)	70.3	2.00	"	40.0	ND	176	25-150	High Bias		
Perfluorotetradecanoic acid (PFTA)	40.5	2.00	"	40.0	ND	101	25-150			
N-MeFOSAA	40.0	2.00	"	40.0	ND	100	25-150			
N-EtFOSAA	43.4	2.00	"	40.0	ND	109	25-150			
Perfluoropentanoic acid (PFPeA)	82.0	4.00	"	80.0	ND	102	25-150			
Perfluoro-1-octanesulfonamide (FOSA)	39.9	2.00	"	40.0	ND	99.8	25-150			
Perfluoro-1-heptanesulfonic acid (PFHpS)	44.1	1.91	"	38.2	ND	116	25-150			
Perfluoro-1-decanesulfonic acid (PFDS)	36.7	1.93	"	38.6	ND	95.1	25-150			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF52046 - EPA 1633 Prep											
Matrix Spike (BF52046-MS1)		*Source sample: 25F1768-02 (MW-5D)				Prepared: 06/29/2025 Analyzed: 07/01/2025					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	175	7.60	ng/L	152	ND	115	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	176	7.68	"	154	ND	115	25-150				
Perfluoro-n-butanoic acid (PFBA)	179	8.00	"	160	ND	112	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	75.4	3.56	"	71.2	ND	106	25-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	43.2	4.00	"	80.0	ND	54.0	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	32.1	4.00	"	80.0	ND	40.1	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	37.4	4.00	"	80.0	ND	46.8	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	42.6	1.88	"	37.6	ND	113	25-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	181	7.50	"	150	ND	121	25-150				
HFPO-DA (Gen-X)	90.9	8.00	"	80.0	ND	114	25-150				
11CL-PF3OUdS	66.3	7.56	"	75.6	ND	87.7	25-150				
9CL-PF3ONS	86.9	7.48	"	74.8	ND	116	25-150				
ADONA	105	7.56	"	75.6	ND	139	25-150				
Perfluorododecanesulfonic acid (PFDoS)	11.8	1.94	"	38.8	ND	30.4	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	44.5	1.92	"	38.4	ND	116	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	122	5.00	"	160	ND	76.2	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	1420	25.0	"	800	ND	177	25-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	1380	25.0	"	800	ND	172	25-150	High Bias			
N-MeFOSE	406	20.0	"	400	ND	102	25-150				
N-MeFOSA	38.9	2.00	"	40.0	ND	97.2	25-150				
N-EtFOSE	375	20.0	"	400	ND	93.6	25-150				
N-EtFOSA	31.7	2.00	"	40.0	ND	79.2	25-150				
<i>Surrogate: M3PFBS</i>	11.8		"	23.3		50.7	25-150				
<i>Surrogate: M5PFHxA</i>	27.8		"	25.0		111	25-150				
<i>Surrogate: M4PFHpA</i>	33.1		"	25.0		132	25-150				
<i>Surrogate: M3PFHxS</i>	30.3		"	23.7		128	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	32.7		"	25.0		131	25-150				
<i>Surrogate: M6PFDA</i>	14.5		"	12.5		116	25-150				
<i>Surrogate: M7PFUdA</i>	13.5		"	12.5		108	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	10.6		"	12.5		84.7	25-150				
<i>Surrogate: M2PFTeDA</i>	4.86		"	12.5		38.9	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	13.9		"	100		13.9	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	27.9		"	24.0		117	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	41.2		"	50.0		82.3	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	30.7		"	25.0		123	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	106		"	50.0		213	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	93.3		"	50.0		187	25-150				
<i>Surrogate: M2-6:2 FTS</i>	223		"	47.6		469	25-200				
<i>Surrogate: M2-8:2 FTS</i>	187		"	48.0		390	25-200				
<i>Surrogate: M9PFNA</i>	15.4		"	12.5		123	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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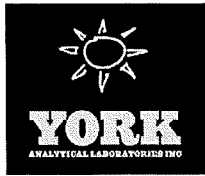
Batch BF52046 - EPA 1633 Prep

Matrix Spike (BF52046-MS1) *Source sample: 25F1768-02 (MW-5D) Prepared: 06/29/2025 Analyzed: 07/01/2025

Surrogate: M2-4:2 FTS	192		ng/L	46.9		409	25-150				
Surrogate: d-N-MeFOSA	18.4		"	25.0		73.6	25-150				
Surrogate: d-N-EtFOSA	14.7		"	25.0		59.0	25-150				
Surrogate: M3HFPO-DA	101		"	100		101	25-150				
Surrogate: d9-N-EtFOSE	145		"	250		57.9	25-150				
Surrogate: d7-N-MeFOSE	196		"	250		78.5	25-150				

Matrix Spike Dup (BF52046-MSD1) *Source sample: 25F1768-02 (MW-5D) Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	41.8	1.77	ng/L	35.4	ND	118	25-150		7.09	35
Perfluorohexanoic acid (PFHxA)	48.5	2.00	"	40.0	ND	121	25-150		3.73	35
Perfluoroheptanoic acid (PFHpA)	48.0	2.00	"	40.0	ND	120	25-150		4.37	35
Perfluorohexanesulfonic acid (PFHxS)	46.9	1.83	"	36.6	ND	128	25-150		6.59	35
Perfluorooctanoic acid (PFOA)	49.0	2.00	"	40.0	ND	122	25-150		6.00	35
Perfluorooctanesulfonic acid (PFOS)	46.2	1.86	"	37.2	ND	124	25-150		4.83	35
Perfluorononanoic acid (PFNA)	47.2	2.00	"	40.0	ND	118	25-150		5.65	35
Perfluorodecanoic acid (PFDA)	46.8	2.00	"	40.0	ND	117	25-150		2.59	35
Perfluoroundecanoic acid (PFUnA)	44.0	2.00	"	40.0	ND	110	25-150		2.66	35
Perfluorododecanoic acid (PFDoA)	40.1	2.00	"	40.0	ND	100	25-150		6.25	35
Perfluorotridecanoic acid (PFTTrDA)	72.4	2.00	"	40.0	ND	181	25-150	High Bias	3.02	35
Perfluorotetradecanoic acid (PFTA)	39.3	2.00	"	40.0	ND	98.2	25-150		2.99	35
N-MeFOSAA	42.2	2.00	"	40.0	ND	105	25-150		5.29	35
N-EtFOSAA	47.0	2.00	"	40.0	ND	117	25-150		7.79	35
Perfluoropentanoic acid (PFPeA)	85.7	4.00	"	80.0	ND	107	25-150		4.50	35
Perfluoro-1-octanesulfonamide (FOSA)	44.1	2.00	"	40.0	ND	110	25-150		9.98	35
Perfluoro-1-heptanesulfonic acid (PFHpS)	44.6	1.91	"	38.2	ND	117	25-150		1.11	35
Perfluoro-1-decanesulfonic acid (PFDS)	37.3	1.93	"	38.6	ND	96.7	25-150		1.68	35
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	172	7.60	"	152	ND	113	25-150		1.91	35
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	190	7.68	"	154	ND	124	25-150		7.27	35
Perfluoro-n-butanoic acid (PFBA)	186	8.00	"	160	ND	117	25-150		4.03	35
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	76.0	3.56	"	71.2	ND	107	25-150		0.755	30
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	55.4	4.00	"	80.0	ND	69.2	25-150		24.7	30
Perfluoro-4-oxapentanoic acid (PFMPA)	36.5	4.00	"	80.0	ND	45.7	25-150		13.0	30
Perfluoro-5-oxahexanoic acid (PFMBA)	41.5	4.00	"	80.0	ND	51.8	25-150		10.2	30
Perfluoro-1-pentanesulfonate (PFPeS)	45.4	1.88	"	37.6	ND	121	25-150		6.41	30
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	188	7.50	"	150	ND	125	25-150		3.73	30
HFPO-DA (Gen-X)	86.8	8.00	"	80.0	ND	109	25-150		4.52	30
11CL-PF3OUdS	66.7	7.56	"	75.6	ND	88.3	25-150		0.604	30
9CL-PF3ONS	86.8	7.48	"	74.8	ND	116	25-150		0.102	30
ADONA	106	7.56	"	75.6	ND	141	25-150		1.13	30
Perfluorododecanesulfonic acid (PFDoS)	10.7	1.94	"	38.8	ND	27.5	25-150		10.1	30
Perfluoro-1-nonanesulfonic acid (PFNS)	51.8	1.92	"	38.4	ND	135	25-150		15.1	30
3-Perfluoropropyl propanoic acid (FPrPA)	135	5.00	"	160	ND	84.7	25-150		10.5	30
3-Perfluoropentyl propanoic acid (FPePA)	1410	25.0	"	800	ND	176	25-150	High Bias	0.938	30
3-Perfluoroheptyl propanoic acid (FHpPA)	1390	25.0	"	800	ND	174	25-150	High Bias	0.870	30



PFAS Target compounds by LC/MS-MS - Quality Control Data

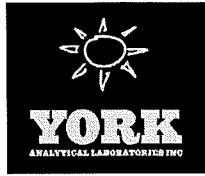
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52046 - EPA 1633 Prep

Matrix Spike Dup (BF52046-MSD1) *Source sample: 25F1768-02 (MW-5D) Prepared: 06/29/2025 Analyzed: 07/01/2025

N-MeFOSE	422	20.0	ng/L	400	ND	105	25-150		3.71	30	
N-MeFOSA	41.8	2.00	"	40.0	ND	104	25-150		7.18	30	
N-EtFOSE	396	20.0	"	400	ND	99.0	25-150		5.54	30	
N-EtFOSA	37.9	2.00	"	40.0	ND	94.8	25-150		17.9	30	
Surrogate: M3PFBS	12.4		"	23.3		53.2	25-150				
Surrogate: M5PFHxA	29.1		"	25.0		116	25-150				
Surrogate: M4PFHpA	33.8		"	25.0		135	25-150				
Surrogate: M3PFHxS	30.3		"	23.7		128	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	31.2		"	25.0		125	25-150				
Surrogate: M6PFDA	14.8		"	12.5		118	25-150				
Surrogate: M7PFUdA	13.6		"	12.5		109	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.0		"	12.5		88.3	25-150				
Surrogate: M2PFTeDA	5.17		"	12.5		41.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	17.4		"	100		17.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	29.1		"	24.0		122	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	43.6		"	50.0		87.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	30.5		"	25.0		122	10-150				
Surrogate: d3-N-MeFOSAA	106		"	50.0		212	25-150				
Surrogate: d5-N-EtFOSAA	92.0		"	50.0		184	25-150				
Surrogate: M2-6:2 FTS	247		"	47.6		520	25-200				
Surrogate: M2-8:2 FTS	199		"	48.0		415	25-200				
Surrogate: M9PFNA	15.2		"	12.5		121	25-150				
Surrogate: M2-4:2 FTS	206		"	46.9		439	25-150				
Surrogate: d-N-MeFOSA	19.4		"	25.0		77.6	25-150				
Surrogate: d-N-EtFOSA	14.1		"	25.0		56.5	25-150				
Surrogate: M3HFPO-DA	106		"	100		106	25-150				
Surrogate: d9-N-EtFOSE	166		"	250		66.4	25-150				
Surrogate: d7-N-MeFOSE	216		"	250		86.5	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD		
		Limit			Result	Limits		RPD	Limit	Flag
Batch BF52047 - EPA 1633 Prep										
Blank (BF52047-BLK1)										
Prepared: 06/29/2025 Analyzed: 07/01/2025										
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.00	"							
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"							
Perfluorooctanoic acid (PFOA)	ND	2.00	"							
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"							
Perfluorononanoic acid (PFNA)	ND	2.00	"							
Perfluorodecanoic acid (PFDA)	ND	2.00	"							
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"							
Perfluorododecanoic acid (PFDoA)	ND	2.00	"							
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"							
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"							
N-MeFOSAA	ND	2.00	"							
N-EtFOSAA	ND	2.00	"							
Perfluoropentanoic acid (PFPeA)	ND	4.00	"							
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"							
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"							
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"							
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"							
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"							
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"							
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	"							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"							
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"							
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"							
HFPO-DA (Gen-X)	ND	8.00	"							
11CL-PF3OUdS	ND	7.56	"							
9CL-PF3ONS	ND	7.48	"							
ADONA	ND	7.56	"							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"							
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"							
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"							
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"							
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"							
N-MeFOSE	ND	20.0	"							
N-MeFOSA	ND	2.00	"							
N-EtFOSE	ND	20.0	"							
N-EtFOSA	ND	2.00	"							
Surrogate: M3PFBS	23.6		"	23.3		101		25-150		
Surrogate: M5PFHxA	28.6		"	25.0		114		25-150		
Surrogate: M4PFHpA	33.1		"	25.0		132		25-150		
Surrogate: M3PFHxS	28.2		"	23.7		119		25-150		



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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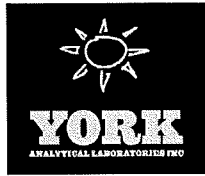
Batch BF52047 - EPA 1633 Prep

Blank (BF52047-BLK1) Prepared: 06/29/2025 Analyzed: 07/01/2025

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	31.0		ng/L	25.0		124	25-150				
Surrogate: M6PFDA	13.5		"	12.5		108	25-150				
Surrogate: M7PFUdA	13.2		"	12.5		105	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.7		"	12.5		93.9	25-150				
Surrogate: M2PFTeDA	9.32		"	12.5		74.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.49		"	100		3.49	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	29.1		"	24.0		121	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	29.2		"	50.0		58.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.0		"	25.0		108	10-150				
Surrogate: d3-N-MeFOSAA	60.5		"	50.0		121	25-150				
Surrogate: d5-N-EtFOSAA	63.9		"	50.0		128	25-150				
Surrogate: M2-6:2 FTS	69.5		"	47.6		146	25-200				
Surrogate: M2-8:2 FTS	60.3		"	48.0		126	25-200				
Surrogate: M9PFNA	13.5		"	12.5		108	25-150				
Surrogate: M2-4:2 FTS	70.1		"	46.9		149	25-150				
Surrogate: d-N-MeFOSA	29.3		"	25.0		117	25-150				
Surrogate: d-N-EtFOSA	26.0		"	25.0		104	25-150				
Surrogate: M3HFPO-DA	124		"	100		124	25-150				
Surrogate: d9-N-EtFOSE	183		"	250		73.4	25-150				
Surrogate: d7-N-MeFOSE	200		"	250		80.0	25-150				

Blank (BF52047-BLK2) Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
									RPD	Limit

Batch BF52047 - EPA 1633 Prep

Blank (BF52047-BLK2)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L							
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"							
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"							
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"							
HFPO-DA (Gen-X)	ND	8.00	"							
11CL-PF3OUdS	ND	7.56	"							
9CL-PF3ONS	ND	7.48	"							
ADONA	ND	7.56	"							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"							
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"							
3-Perfluoropropyl propanoic acid (FPrPA)	ND	5.00	"							
3-Perfluoropentyl propanoic acid (FPePA)	ND	25.0	"							
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	25.0	"							
N-MeFOSE	ND	20.0	"							
N-MeFOSA	ND	2.00	"							
N-EtFOSE	ND	20.0	"							
N-EtFOSA	ND	2.00	"							
Surrogate: M3PFBS	27.8		"	23.3		119	25-150			
Surrogate: M5PFHxA	31.5		"	25.0		126	25-150			
Surrogate: M4PFHpA	36.7		"	25.0		147	25-150			
Surrogate: M3PFHxS	33.3		"	23.7		140	25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	34.0		"	25.0		136	25-150			
Surrogate: M6PFDA	16.3		"	12.5		130	25-150			
Surrogate: M7PFUdA	15.9		"	12.5		127	25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.5		"	12.5		100	25-150			
Surrogate: M2PFTeDA	10.4		"	12.5		83.5	10-150			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.13		"	100		3.13	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	29.5		"	24.0		123	25-150			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	26.1		"	50.0		52.2	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.5		"	25.0		114	10-150			
Surrogate: d3-N-MeFOSAA	60.4		"	50.0		121	25-150			
Surrogate: d5-N-EtFOSAA	70.5		"	50.0		141	25-150			
Surrogate: M2-6:2 FTS	85.3		"	47.6		179	25-200			
Surrogate: M2-8:2 FTS	76.5		"	48.0		159	25-200			
Surrogate: M9PFNA	15.2		"	12.5		121	25-150			
Surrogate: M2-4:2 FTS	81.5		"	46.9		174	25-150			
Surrogate: d-N-MeFOSA	22.8		"	25.0		91.2	25-150			
Surrogate: d-N-EtFOSA	23.8		"	25.0		95.3	25-150			
Surrogate: M3HFPO-DA	136		"	100		136	25-150			



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF52047 - EPA 1633 Prep											
Blank (BF52047-BLK2)						Prepared: 06/29/2025 Analyzed: 07/01/2025					
Surrogate: d9-N-EtFOSE	181		ng/L	250		72.4	25-150				
Surrogate: d7-N-MeFOSE	187		"	250		74.7	25-150				
LCS (BF52047-BS1)						Prepared: 06/29/2025 Analyzed: 07/01/2025					
Perfluorobutanesulfonic acid (PFBS)	40.0	1.77	ng/L	35.4		113	50-150				
Perfluorohexanoic acid (PFHxA)	43.1	2.00	"	40.0		108	50-150				
Perfluoroheptanoic acid (PFHpA)	42.4	2.00	"	40.0		106	50-150				
Perfluorohexanesulfonic acid (PFHxS)	43.6	1.83	"	36.6		119	50-150				
Perfluorooctanoic acid (PFOA)	42.7	2.00	"	40.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	43.6	1.86	"	37.2		117	50-150				
Perfluorononanoic acid (PFNA)	44.2	2.00	"	40.0		110	50-150				
Perfluorodecanoic acid (PFDA)	46.8	2.00	"	40.0		117	50-150				
Perfluoroundecanoic acid (PFUnA)	41.6	2.00	"	40.0		104	50-150				
Perfluorododecanoic acid (PFDoA)	39.3	2.00	"	40.0		98.3	50-150				
Perfluorotridecanoic acid (PFTrDA)	41.9	2.00	"	40.0		105	50-150				
Perfluorotetradecanoic acid (PFTA)	40.0	2.00	"	40.0		100	50-150				
N-MeFOSAA	42.2	2.00	"	40.0		106	50-150				
N-EtFOSAA	39.5	2.00	"	40.0		98.7	50-150				
Perfluoropentanoic acid (PFPeA)	80.3	4.00	"	80.0		100	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	40.5	2.00	"	40.0		101	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	44.1	1.91	"	38.2		115	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.6	1.93	"	38.6		94.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	158	7.60	"	152		104	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	173	7.68	"	154		113	50-150				
Perfluoro-n-butanoic acid (PFBA)	143	8.00	"	160		89.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	70.8	3.56	"	71.2		99.4	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	102	4.00	"	80.0		127	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	12.7	4.00	"	80.0		15.9	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	119	4.00	"	80.0		149	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	45.1	1.88	"	37.6		120	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	167	7.50	"	150		111	50-150				
HFPO-DA (Gen-X)	78.7	8.00	"	80.0		98.4	50-150				
11CL-PF3OUdS	56.6	7.56	"	75.6		74.8	50-150				
9CL-PF3ONS	65.8	7.48	"	74.8		87.9	50-150				
ADONA	80.8	7.56	"	75.6		107	50-150				
Perfluorododecanesulfonic acid (PFDoS)	30.3	1.94	"	38.8		78.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	49.6	1.92	"	38.4		129	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	92.0	5.00	"	160		57.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	867	25.0	"	800		108	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	903	25.0	"	800		113	50-150				
N-MeFOSE	386	20.0	"	400		96.6	50-150				
N-MeFOSA	34.8	2.00	"	40.0		86.9	50-150				
N-EtFOSE	376	20.0	"	400		93.9	50-150				
N-EtFOSA	34.6	2.00	"	40.0		86.4	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52047 - EPA 1633 Prep

LCS (BF52047-BS1) Prepared: 06/29/2025 Analyzed: 07/01/2025

Surrogate: M3PFBS	28.1		ng/L	23.3		121	25-150				
Surrogate: M5PFHxA	31.3		"	25.0		125	25-150				
Surrogate: M4PFHpA	36.5		"	25.0		146	25-150				
Surrogate: M3PFHxS	32.7		"	23.7		138	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.9		"	25.0		132	25-150				
Surrogate: M6PFDA	14.9		"	12.5		119	25-150				
Surrogate: M7PFUDA	15.3		"	12.5		123	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.8		"	12.5		103	25-150				
Surrogate: M2PFTeDA	11.1		"	12.5		88.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.25		"	100		3.25	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.2		"	24.0		126	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	26.1		"	50.0		52.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	30.4		"	25.0		121	10-150				
Surrogate: d3-N-MeFOSAA	62.1		"	50.0		124	25-150				
Surrogate: d5-N-EtFOSAA	66.0		"	50.0		132	25-150				
Surrogate: M2-6:2 FTS	79.7		"	47.6		168	25-200				
Surrogate: M2-8:2 FTS	69.2		"	48.0		144	25-200				
Surrogate: M9PFNA	15.5		"	12.5		124	25-150				
Surrogate: M2-4:2 FTS	71.5		"	46.9		152	25-150				
Surrogate: d-N-MeFOSA	27.1		"	25.0		108	25-150				
Surrogate: d-N-EtFOSA	25.2		"	25.0		101	25-150				
Surrogate: M3HFPO-DA	137		"	100		137	25-150				
Surrogate: d9-N-EtFOSE	200		"	250		79.8	25-150				
Surrogate: d7-N-MeFOSE	208		"	250		83.3	25-150				

LCS (BF52047-BS2) Prepared: 06/29/2025 Analyzed: 07/01/2025

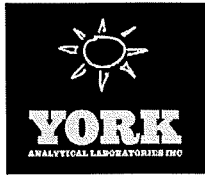
Perfluorobutanesulfonic acid (PFBS)	3.71	1.77	ng/L	3.54		105	50-150				
Perfluorohexanoic acid (PFHxA)	3.74	2.00	"	4.00		93.5	50-150				
Perfluoroheptanoic acid (PFHpA)	3.62	2.00	"	4.00		90.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.79	1.83	"	3.66		104	50-150				
Perfluorooctanoic acid (PFOA)	3.90	2.00	"	4.00		97.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.82	1.86	"	3.72		103	50-150				
Perfluorononanoic acid (PFNA)	4.01	2.00	"	4.00		100	50-150				
Perfluorodecanoic acid (PFDA)	3.80	2.00	"	4.00		95.0	50-150				
Perfluoroundecanoic acid (PFUnA)	3.77	2.00	"	4.00		94.3	50-150				
Perfluorododecanoic acid (PFDoA)	3.84	2.00	"	4.00		95.9	50-150				
Perfluorotridecanoic acid (PFTrDA)	3.95	2.00	"	4.00		98.8	50-150				
Perfluorotetradecanoic acid (PFTrA)	3.43	2.00	"	4.00		85.8	50-150				
N-MeFOSAA	4.46	2.00	"	4.00		112	50-150				
N-EtFOSAA	4.02	2.00	"	4.00		100	50-150				
Perfluoropentanoic acid (PFPeA)	7.49	4.00	"	8.00		93.6	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.08	2.00	"	4.00		102	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.93	1.91	"	3.82		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.95	1.93	"	3.86		102	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF52047 - EPA 1633 Prep											
Prepared: 06/29/2025 Analyzed: 07/01/2025											
LCS (BF52047-BS2)											
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.4	7.60	ng/L	15.2		94.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.4	7.68	"	15.4		107	50-150				
Perfluoro-n-butanoic acid (PFBA)	14.8	8.00	"	16.0		92.2	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.89	3.56	"	7.12		82.8	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.44	4.00	"	8.00		106	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.83	4.00	"	8.00		22.9	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	10.9	4.00	"	8.00		137	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.55	1.88	"	3.76		94.4	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.7	7.50	"	15.0		105	50-150				
HFPO-DA (Gen-X)	6.33	8.00	"	8.00		79.1	50-150				
11CL-PF3OUdS	6.55	7.56	"	7.56		86.6	50-150				
9CL-PF3ONS	6.91	7.48	"	7.48		92.3	50-150				
ADONA	7.75	7.56	"	7.56		103	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.26	1.94	"	3.88		58.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.05	1.92	"	3.84		106	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	11.6	5.00	"	16.0		72.5	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	79.1	25.0	"	80.0		98.9	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	80.4	25.0	"	80.0		100	50-150				
N-MeFOSE	37.2	20.0	"	40.0		93.0	50-150				
N-MeFOSA	4.04	2.00	"	4.00		101	50-150				
N-EtFOSE	35.0	20.0	"	40.0		87.6	50-150				
N-EtFOSA	2.96	2.00	"	4.00		74.0	50-150				
Surrogate: M3PFBS	25.6		"	23.3		110	25-150				
Surrogate: M5PFHxA	32.6		"	25.0		131	25-150				
Surrogate: M4PFHpA	35.8		"	25.0		143	25-150				
Surrogate: M3PFHxS	28.4		"	23.7		120	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.6		"	25.0		134	25-150				
Surrogate: M6PFDA	15.9		"	12.5		127	25-150				
Surrogate: M7PFUdA	15.1		"	12.5		121	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.1		"	12.5		96.4	25-150				
Surrogate: M2PFTeDA	10.2		"	12.5		81.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.79		"	100		2.79	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.8		"	24.0		129	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	27.3		"	50.0		54.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.9		"	25.0		120	10-150				
Surrogate: d3-N-MeFOSAA	59.8		"	50.0		120	25-150				
Surrogate: d5-N-EtFOSAA	70.8		"	50.0		142	25-150				
Surrogate: M2-6:2 FTS	77.5		"	47.6		163	25-200				
Surrogate: M2-8:2 FTS	66.6		"	48.0		139	25-200				
Surrogate: M9PFNA	16.2		"	12.5		130	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52047 - EPA 1633 Prep

LCS (BF52047-BS2)

Prepared: 06/29/2025 Analyzed: 07/01/2025

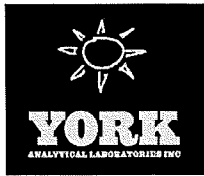
Surrogate: M2-4:2 FTS	68.1		ng/L	46.9		145	25-150				
Surrogate: d-N-MeFOSA	28.3		"	25.0		113	25-150				
Surrogate: d-N-EtFOSA	27.5		"	25.0		110	25-150				
Surrogate: M3HFPO-DA	136		"	100		136	25-150				
Surrogate: d9-N-EtFOSE	197		"	250		78.8	25-150				
Surrogate: d7-N-MeFOSE	211		"	250		84.5	25-150				

Duplicate (BF52047-DUP1)

*Source sample: 25F1768-05 (MW-6S)

Prepared: 06/29/2025 Analyzed: 07/01/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.59	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	1.79	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	1.79	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.64	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	1.79	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	1.67	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	1.79	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	1.79	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.79	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	1.79	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"		ND					30	
N-MeFOSAA	ND	1.79	"		ND					30	
N-EtFOSAA	ND	1.79	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	3.58	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.71	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.73	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	6.81	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	6.88	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	7.17	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.19	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.58	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.58	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.58	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.68	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	6.72	"		ND					30	
HFPO-DA (Gen-X)	ND	7.17	"		ND					30	
11CL-PF3OUdS	ND	6.77	"		ND					30	
9CL-PF3ONS	ND	6.70	"		ND					30	
ADONA	ND	6.77	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.74	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.72	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.48	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	22.4	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	22.4	"		ND					30	



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF52047 - EPA 1633 Prep

Duplicate (BF52047-DUP1) *Source sample: 25F1768-05 (MW-6S) Prepared: 06/29/2025 Analyzed: 07/01/2025

N-MeFOSE	ND	17.9	ng/L		ND					30	
N-MeFOSA	ND	1.79	"		ND		25-150			30	
N-EtFOSE	ND	17.9	"		ND					30	
N-EtFOSA	ND	1.79	"		ND		25-150			30	
Surrogate: M3PFBS	24.6		"	20.9		118	25-150				
Surrogate: M5PFHxA	31.1		"	22.4		139	25-150				
Surrogate: M4PFHpA	33.7		"	22.4		150	25-150				
Surrogate: M3PFHxS	25.7		"	21.2		121	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	30.2		"	22.4		135	25-150				
Surrogate: M6PFDA	10.8		"	11.2		96.9	25-150				
Surrogate: M7PFUdA	8.46		"	11.2		75.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.80		"	11.2		42.8	25-150				
Surrogate: M2PFTeDA	3.55		"	11.2		31.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	16.3		"	89.6		18.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.0		"	21.5		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.3		"	44.8		101	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.6		"	22.4		110	10-150				
Surrogate: d3-N-MeFOSAA	35.0		"	44.8		78.2	25-150				
Surrogate: d5-N-EtFOSAA	36.0		"	44.8		80.4	25-150				
Surrogate: M2-6:2 FTS	71.3		"	42.6		167	25-200				
Surrogate: M2-8:2 FTS	54.1		"	43.0		126	25-200				
Surrogate: M9PFNA	13.3		"	11.2		119	25-150				
Surrogate: M2-4:2 FTS	69.2		"	42.0		165	25-150				
Surrogate: d-N-MeFOSA	14.9		"	22.4		66.5	25-150				
Surrogate: d-N-EtFOSA	10.5		"	22.4		47.0	25-150				
Surrogate: M3HFPO-DA	137		"	89.6		153	25-150				
Surrogate: d9-N-EtFOSE	69.6		"	224		31.1	25-150				
Surrogate: d7-N-MeFOSE	87.7		"	224		39.2	25-150				





Sample and Data Qualifiers Relating to This Work Order

- PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
- PFSu-H The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
- PF-LCS-L The LCS recovery for this PFAS compound was below control limits.
- PF-CCV-L The CCV recovery for this PFAS compound was below control limits.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

- * Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.