

Strata Geosciences

March 23, 2026

Luke LeMond, LHG
Washington Department of Ecology (Ecology) - Central

Re: Quarterly Progress Report – March 2026

This quarterly progress report summarizes completed and upcoming work at Yakima County Public Services' closed Snipes Mountain Landfill (Snipes Landfill) located in the vicinity of 1150 Luther Road, Sunnyside, WA 98944 (Facility site ID: 501; Cleanup Site ID: 3402) as required by the Agreed Order (DE 22514).

During the last quarter, between December 20, 2025 and March 19, 2026, the following activities occurred, and work has been performed:

1. The fifth quarterly round of Remedial Investigation (RI) groundwater sampling, offsite sampling, and routine landfill gas monitoring was conducted on February 24, 2026. Details for the February sampling are provided below:
 - Onsite well north of the anticline, SMW-4, was sampled for Appendix I, II, and PFAS, and field parameters (i.e. pH, conductivity, DO, ORP, temp), in accordance with the approved RI Work Plan.
 - The Hydrostar piston pump in SMW-1 was not operating on February 24, 2026.
 - The 2-inch Geosub pump with drop tubes that was rented to sample SMW-5s and SMW-5d as an alternative to Hydrasleeves was incapable of lifting water from the screen intervals for sample collection. Additionally, the rental pump became lodged below the water surface in SMW-5d.
 - SMW-4 was not sampled for 1,4-dioxane or Appendix III (chlorinated phenols, dioxin/furans, PAHs, pesticides, SVOCs, dinoseb) based on the Ecology-approved RI sampling modification recommendation.
 - Sampling equipment PFAS QA samples were collected from an unused Hydrasleeve and straw, the rented 2-inch Geosub pump, and the rented 2-inch Geosub pump after following PFAS equipment decontamination

procedures. A lab blank was additionally collected. The PFAS analyte 6:2 FTS was detected on the rented pump (1.0 ng/L) below the lab reporting limit. There were no other PFAS detections this quarter. The 2026 Q1 analytical results for PFAS (Eurofins) and the 2025 Q4 for all other sampled analytes (ARI) are attached to this update letter. A table summarizing the PFAS detections in 2026 Q1 and QA results with the applicable criteria is also attached to this update letter as Table 1.

- Offsite wells were sampled for VOCs, dissolved metals, chloride, sulfate, alkalinity, TSS, and field parameters (i.e. pH, conductivity, DO, ORP, temp). The following offsite locations were sampled:
 - Washington Department of Natural Resources (DNR) house spigot (fed from Luther well)
 - OL Luther well
 - Downloaded Solinst Levellogger unvented water-level transducer data from site monitoring wells SMW-4 and SMW-5d.
 - The cable securing the Solinst Levellogger installed in SMW-4 failed during redeployment, and the Levellogger was unable to be recovered.
 - Routine landfill gas sampling.
2. An RI sampling modification recommendation based on 2025 Q1 through 2025 Q4 results received for onsite wells SMW-4, SMW-5s, and SMW-5d was submitted to Ecology on January 30, 2026 and is attached to this update letter. Approval to discontinue sampling 1,4-dioxane, dinoseb, and SVOCs at SMW-4; dioxin/furans at SMW-4 and SMW-5d; and PAHs and pesticides at SMW-4, SMW-5s, and SMW-5d was received from Ecology on February 4, 2026. The approved RI sampling modification recommendation is attached to this update letter.
 3. Results letters for 2025 Q4 offsite well sampling results were communicated to associated property owners and tenants on February 17, 2026 and are attached to this update letter.
 4. Weekly manual measurements of depth to water at SMW-1 were collected by Yakima County Public Services staff through the 2026 Q1 sampling event.
 5. SMW-1 was confirmed to be operational on March 19, 2026 and Q1 samples were collected for geochemical parameter collection, Appendices I, II, and III, and 1,4-dioxane. PFAS samples were not collected during this event, sample bottles from the initial first quarter mobilization in February were potentially compromised and new bottles were not requested in time.
 6. The Hydrostar piston pump was pulled from cross-gradient well SMW-3 on March 19, 2026. Strata Staff will sample for MFS parameters and chlorinated solvents using a Hydrasleeve during the next sampling event.

7. A borescope was rented to investigate the SMW-5d and SMW-5s well casings and screens on March 20, 2026 for signs of well damage and what may be causing the pumps and Hydrasleeves to become stuck in the well. There was no evidence of an obstruction in either well. The only item of note was the well screen in SMW-5d appeared to have fine material blocking the stainless steel slots and there was an accumulation of approximately 3 feet of sediment in the bottom of the screen. Further well development may be needed and any future sampling at SMW-5d will measure turbidity as an additional parameter prior to sampling.
8. Solinst Levelloggers at (SMW-5s and SMW-5d) and the barologger have been retrieved.

During the next quarter, from March 20 to June 19, 2026, the following work is anticipated:

1. Remobilize with a rental pump(s) to collect groundwater samples at SMW-5s and SMW-5d.
2. Q2 2026 expanded analyte groundwater monitoring, including geochemical parameter collection, Appendices I, II, and III, PFAS, and 1,4-dioxane at SMW-1 and Ecology-approved reduced RI analyte sets at SMW-4, SMW-5s, and SMW-5d.
3. Routine Q2 onsite well sampling of MFS parameters at SMW-2.
4. Offsite sampling of VOCs and geochemical parameters at the DNR House spigot and OL Luther well.
5. Routine landfill gas sampling.
6. Finalize the Drilling Technical Specifications for the new monitoring wells and open the project to bids.
 - It is estimated that it will take 2-3 weeks to receive approval for the project to go out to bid, the project will then be open to bids for approximately 1 month, and then another 2-3 weeks to receive approval for the selected candidate. Following candidate return of contracts, another 2-3 weeks are anticipated for contract approval.
7. Groundwater flow direction and gradient calculations through February 2026 and analysis of year-round groundwater elevations and flow gradients.
8. Preliminary assessment of geochemical conditions using the Natural Attenuation screening tool.
9. Continued development of HELP leachate production model.

Respectfully submitted,

Ashley Parkhurst
Staff Engineer
Strata Geosciences
ashley@stratageosciences.com
O: 206-408-8202

SnipesUpdateLettertoECY_03-20-26.docx

cc Scott Davis, Yakima County Solid Waste
Steven Newchurch, Yakima Health District
James Rivard, Department of Ecology

Attachments:

- Table 1. PFAS Detections and Criteria, Closed Snipes Mountain Landfill
- 2025 Q4 ARI Laboratory Data Package 25K0439
- 2026 Q1 Eurofins Laboratory Data Package J130286-1
- Proposed and Scheduled Revisions to Remedial Investigation Sampling at Closed Snipes Mountain Landfill, Agreed Order No. DE 22514, January 30, 2026
- Offsite Well sample letters, August 15, 2025:
 - O.L. Luther Co., Inc. 710 Luther Road Granger, WA 98944, Re: Results of November 19, 2025 Sampling of O.L. Luther Well
 - Barb Evans Sage Orchards Outlook, WA, Re: Results of November 19, 2025, O.L. Luther well and Department of Natural Resources (DNR) Residence spigot drinking water sampling

Table 1. PFAS Detections and Criteria, Closed Snipes Mountain Landfill

PFAS Constituent	MTCA Groundwater Criteria (ng/L)					WA State DOH SAL (ng/L)	Federal MCL (ng/L)	Federal MCLG (ng/L)	2026 Q1 Sampling Detections (ng/L)							
	Method B Noncancer	Method B Cancer	Method B Potable GW	Method C Noncancer	Method C Cancer				SMW-1	SMW-4	SMW-5s	SMW-5d	Lab Blank	Hydrasleeve Blank	Pump Blank	Decon. Blank
3:3 FTCA	-	-	-	-	-	-	-	-	NS	2.8U	NS	NS	2.9U	3.0U	2.9U	3.0U
6:2 Fluorotelomer Sulfonic Acid (FTS)	3200	-	3200	7000	-	-	-	-	NS	2.8U	NS	NS	2.9U	3.0U	1.0 J	3.0U
HFPO-DA (GenX)	24	-	10	53	-	-	10	10	NS	1.1U	NS	NS	1.1U	1.1U	1.1U	1.1U
NMeFOSAA	-	-	-	-	-	-	-	-	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorobutanesulfonic Acid (PFBS)	4800	-	4800	11000	-	345	HI	HI	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorobutanoic Acid (PFBA)	8000	-	8000	18000	-	-	-	-	NS	2.8U	NS	NS	2.9U	3.0U	2.9U	3.0U
Perfluorodecanoic Acid (PFDA)	0.032	-	0.032	0.07	-	-	-	-	NS	1.4UY	NS	NS	1.4UY	1.5UY	1.5UY	1.5UY
Perfluoroheptanoic Acid (PFHpA)	-	-	-	-	-	-	-	-	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorohexanesulfonic Acid (PFHxS)	0.0064	-	0.0064	0.014	-	65	10	10	NS	1.4UY	NS	NS	1.4UY	1.5UY	1.5UY	1.5UY
Perfluorohexanoic Acid (PFHxA)	8000	-	8000	18000	-	-	-	-	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorononanoic Acid (PFNA)	40	-	10	88	-	9	10	10	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorooctanesulfonic Acid (PFOS)	1.6	2.2	4	3.5	22	15	4	0	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluorooctanoic Acid (PFOA)	0.48	0.003	4	1.1	0.03	10	4	0	NS	1.4UY	NS	NS	1.4UY	1.5UY	1.5UY	1.5UY
Perfluorooctanesulfonamide (PFOSA)	-	-	-	-	-	-	-	-	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U
Perfluoropentanoic Acid (PFPeA)	-	-	-	-	-	-	-	-	NS	1.4U	NS	NS	1.4U	1.5U	1.5U	1.5U

Bolded results exceed at least one of the presented criteria.

ng/L = nanograms per liter; part-per-trillion (ppt)

GW = groundwater

HI = The EPA didn't establish an individual MCL for PFBS. They did establish an MCLG and MCL based on a hazard index (HI) of 1 for mixtures of two or more of the following PFAS: HFPO-DA, PFBS, PFHxS, and PFNA. That is, the sum of the individual hazard quotients for these PFAS in a water sample cannot exceed an HI of 1.

J = Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value

MCL = maximum contaminant level

MCLG = maximum contaminant level goal

MTCA = Model Toxics Control Act

ND = Not Detected at the reporting limit (or method detection limit)

NS = Not Sampled

PFAS = Per- and Polyfluoroalkyl Substances

Q1 = first quarter (February)

SAL = State Action Level

U = Not detected above indicated reporting limit

WA State DOH = Washington State Department of Health

Y = Reporting limit in excess of minimum applicable criteria



Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

19 December 2025

Ashley Parkhurst
Mott MacDonald
1601 5th Avenue Suite 800
Seattle, WA 98101

RE: Snipes MTN Landfill 2025 (Snipes MTN Landfill 2025)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)
25K0439

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kelly Bottem, Client Services Manager



Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 25K0439	Turn-around Requested: Std
ARI Client Company: Mott MacDonald	Phone: 206-293-7896
Client Contact: Ashley Parkhurst	
Client Project Name: Snipes Mtn RI	
Client Project #: S18300030	Samplers:

Page:	of
Date:	Ice Present?
No. of Coolers:	Cooler Temps:



Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested														Notes/Comments
					VOL	Sim VOC	Diss. Metals	Total metals	NO ₃ /NO ₂	Cl, Sulfate	Alkalinity	TSS	1,4 Dioxane	Dioxane/Furans	TPS	TOC/COD/NH ₃	SIM PAH	Pesticides	
SMW-4	11/19/25	12:00	W	22	3	2	X		1	1	1	1	2	2	1	1	2	2	
SMW-2	11/20/25	09:15		9	3	2	X		1	1	1	1			1				
SMW-5s	11/20/25	10:00		11	3	2		X	1	1	1	1		1	1				TSS = partial fill NO ₃ /NO ₂ = partial fill
SMW-5d	11/19/25	16:00		20	3	2		X	1	1	1	1	2	1	1	2	2	2	
Evans	11/19/25	15:30		9	3	2	X			1	1	1							
O. L. Luther	11/19/25	16:00		9	3	2	X			1	1	1							
Comments/Special Instructions Run all CI by method SM4500-CL-G and TDS by SM 2540C	Relinquished by: (Signature) <i>[Signature]</i> Printed Name: Lexi Thomas Company: Mott MacDonald Date & Time: 11/21/25 9:38	Received by: (Signature) <i>[Signature]</i> Printed Name: Sydney Acevedo Company: AR LLC Date & Time: 11/21/25 0938	Relinquished by: (Signature) Printed Name: Company: Date & Time:	Received by: (Signature) Printed Name: Company: Date & Time:															

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 25K0439	Turn-around Requested: Std
ARI Client Company: Mott MacDonald	Phone: 206-293-7896
Client Contact: Ashley Parkhurst	
Client Project Name: Snipes Mtn RI	
Client Project #: 518300030	Samplers:

Page:	of
Date:	Ice Present?
No. of Coolers:	Cooler Temps:



Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested													Notes/Comments	
					VOC	Sim VOC	Diss. Metals	Total Metals	NO ₃ /NO ₂	Cl, Sulfate	Alkalinity	TSS	1,4 Dioxane	Dioxane/Furans	TPS	TBQ/COP/NH ₃	SIM PAH		Pesticides
SMW-4	11/19/25	12:00	W	22	3	2	X		1	1	1	1	2	2	1	1	2	2	
SMW-2	11/20/25	09:15		9	3	2	X		1	1	1	1				1			
SMW-5s	11/20/25	10:00		11	3	2		X	1	1	1	1			1	1			TSS = partial fill NO ₃ /NO ₂ = partial fill
SMW-5d	11/19/25	10:00		20	3	2		X	1	1	1	1		2	1	1	2	2	2
Evans	11/19/25	15:30		9	3	2	X			1	1	1							
O. L. Luther	11/19/25	16:00		9	3	2	X			1	1	1							
Comments/Special Instructions Run all CI by method SM4500-CL-G and TDS by SM 2540C	Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>															
	Printed Name: Lexi Thomas	Printed Name: Sydney Acero																	
	Company: Mott MacDonald	Company: ARLLC																	
	Date & Time: 11/21/25 9:38	Date & Time: 11/21/25 0938																	

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SMW-4	25K0439-01	Water	19-Nov-2025 12:00	21-Nov-2025 09:38
SMW-2	25K0439-02	Water	20-Nov-2025 09:15	21-Nov-2025 09:38
SMW-5s	25K0439-03	Water	20-Nov-2025 10:00	21-Nov-2025 09:38
SMW-5d	25K0439-04	Water	19-Nov-2025 11:00	21-Nov-2025 09:38
Evans	25K0439-05	Water	19-Nov-2025 15:30	21-Nov-2025 09:38
O. L. Luther	25K0439-06	Water	19-Nov-2025 16:00	21-Nov-2025 09:38
Trip Blanks	25K0439-07	Water	19-Nov-2025 11:00	21-Nov-2025 09:38



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Work Order Case Narrative

Client: Mott MacDonald
Project: Snipes MTN Landfill 2025
Work Order: 25K0439

Sample receipt

Samples as listed on the preceding page were received 21-Nov-2025 09:38 under ARI work order 25K0439. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Volatiles - EPA Method SW8260D

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements with the exception of all associated "Q" flagged analytes which are out of control low in the ICV. Samples that contain analyte have been flagged with a "Q" qualifier.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits with the exception of analytes flagged on the associated forms.

Volatiles - EPA Method 8260D-SIM (Selected Ion Monitoring)

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

Pesticides - EPA Method SW8081B

The sample(s) were extracted and analyzed within the recommended holding times with the exception of the re-extracts which have been flagged with an "H" qualifier.

Initial and continuing calibrations were within method requirements.



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

Semivolatiles - EPA Method SW8270E

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements with the exception of all associated "Q" flagged analytes which are out of control low in the ICV. Samples that contain analyte have been flagged with a "Q" qualifier.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits with the exception of surrogates flagged on the associated forms.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits with the exception of analytes flagged on the associated forms.

Polynuclear Aromatic Hydrocarbons (PAH) - EPA Method SW8270E-SIM

The sample(s) were extracted and analyzed within the recommended holding times with the exception of samples that were re-extracted and flagged with an "H" qualifier.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits with the exception of surrogates flagged on the associated forms.

The method blank(s) contained naphthalene and 1-methylnaphthalene. Samples that contain analyte have been flagged with a "B" qualifier. Samples were re-extracted and both runs were reported.

The blank spike (BS/LCS) percent recoveries were within control limits with the exception of analytes flagged on the associated forms.

1,4-Dioxane- EPA Method SW8270E-SIM (Isotope Dilution)

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Labeled internal standard areas were within limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

Dioxin/Furans - EPA Method 1613

The sample(s) were extracted and analyzed within the recommended holding times. Analysis was performed using an application specific column developed by Restek. The RTX-Dioxin2 column has unique isomer separation for the 2378-TCDF, eliminating the need for confirmation analysis.

Initial and continuing calibrations were within method requirements.

Labeled internal standard areas were within limits.

The cleanup surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The OPR (Ongoing Precision and Recovery) standard percent recoveries were within control limits with the exception of analytes flagged on the associated forms.

Total and Dissolved Metals - EPA Method 6010D 7470A and 6020D

The sample(s) were digested and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits with the exception of analytes flagged on the associated forms.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times with the exception of nitrate and nitrite which were analyzed outside of the holding time and flagged with an "H" qualifier. The samples were sent to the lab with limited or no time to analyze them within the holding time.

Initial and continuing calibrations were within method requirements.

The TDS method blank(s) contained analyte. Samples that contain analyte have been flagged with a "B" qualifier.

The blank spike (BS/LCS) percent recoveries were within control limits.



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

The reference material (SRM) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits.



WORK ORDER

25K0439

Client: Mott MacDonald

Project Manager: Kelly Bottem

Project: Snipes MTN Landfill 2025

Project Number: Snipes MTN Landfill 2025

Preservation Confirmation

Container ID	Container Type	pH	pH Paper Lot#: <u>0000119</u>
25K0439-01 A	VOA Vial, Clear, 40 mL, HCL		
25K0439-01 B	VOA Vial, Clear, 40 mL, HCL		
25K0439-01 C	VOA Vial, Clear, 40 mL, HCL		
25K0439-01 D	VOA Vial, Clear, 40 mL, HCL		
25K0439-01 E	VOA Vial, Clear, 40 mL, HCL		
25K0439-01 F	Glass NM, Amber, 1000 mL		
25K0439-01 G	Glass NM, Amber, 1000 mL		
25K0439-01 H	Glass NM, Amber, 500 mL		
25K0439-01 I	Glass NM, Amber, 500 mL		
25K0439-01 J	Glass NM, Amber, 500 mL		
25K0439-01 K	Glass NM, Amber, 500 mL		
25K0439-01 L	Glass NM, Amber, 500 mL		
25K0439-01 M	Glass NM, Amber, 500 mL		
25K0439-01 N	Glass NM, Amber, 500 mL		
25K0439-01 O	Glass NM, Amber, 500 mL		
25K0439-01 P	HDPE NM, 1000 mL		
25K0439-01 Q	HDPE NM, 1000 mL		
25K0439-01 R	HDPE NM, 250mL		
25K0439-01 S	HDPE NM, 250mL		
25K0439-01 T	HDPE NM, 250mL		
25K0439-01 U	Glass NM, Amber, 250 mL, 9N H2SO4	LLP	
25K0439-01 V	HDPE NM, 250mL HNO3 (FF)	L	
25K0439-02 A	VOA Vial, Clear, 40 mL, HCL		
25K0439-02 B	VOA Vial, Clear, 40 mL, HCL		
25K0439-02 C	VOA Vial, Clear, 40 mL, HCL		
25K0439-02 D	VOA Vial, Clear, 40 mL, HCL		
25K0439-02 E	VOA Vial, Clear, 40 mL, HCL		
25K0439-02 F	HDPE NM, 250mL		
25K0439-02 G	HDPE NM, 250mL		
25K0439-02 H	Glass NM, Amber, 250 mL, 9N H2SO4	LLP	
25K0439-02 I	HDPE NM, 250mL HNO3 (FF)	L	
25K0439-03 A	VOA Vial, Clear, 40 mL, HCL		



WORK ORDER

25K0439

Client: Mott MacDonald

Project Manager: Kelly Bottem

Project: Snipes MTN Landfill 2025

Project Number: Snipes MTN Landfill 2025

25K0439-03 B	VOA Vial, Clear, 40 mL, HCL	
25K0439-03 C	VOA Vial, Clear, 40 mL, HCL	
25K0439-03 D	VOA Vial, Clear, 40 mL, HCL	
25K0439-03 E	VOA Vial, Clear, 40 mL, HCL	
25K0439-03 F	HDPE NM, 1000 mL	
25K0439-03 G	HDPE NM, 1000 mL	
25K0439-03 H	HDPE NM, 250mL	
25K0439-03 I	HDPE NM, 250mL	
25K0439-03 J	Glass NM, Amber, 250 mL, 9N H2SO4	✓ 2p
25K0439-03 K	HDPE NM, 250mL HNO3	✓
25K0439-04 A	VOA Vial, Clear, 40 mL, HCL	
25K0439-04 B	VOA Vial, Clear, 40 mL, HCL	
25K0439-04 C	VOA Vial, Clear, 40 mL, HCL	
25K0439-04 D	VOA Vial, Clear, 40 mL, HCL	
25K0439-04 E	VOA Vial, Clear, 40 mL, HCL	
25K0439-04 F	Glass NM, Amber, 1000 mL	
25K0439-04 G	Glass NM, Amber, 1000 mL	
25K0439-04 H	Glass NM, Amber, 500 mL	
25K0439-04 I	Glass NM, Amber, 500 mL	
25K0439-04 J	Glass NM, Amber, 500 mL	
25K0439-04 K	Glass NM, Amber, 500 mL	
25K0439-04 L	Glass NM, Amber, 500 mL	
25K0439-04 M	Glass NM, Amber, 500 mL	
25K0439-04 N	HDPE NM, 1000 mL	
25K0439-04 O	HDPE NM, 1000 mL	
25K0439-04 P	HDPE NM, 250mL	
25K0439-04 Q	HDPE NM, 250mL	
25K0439-04 R	HDPE NM, 250mL	
25K0439-04 S	Glass NM, Amber, 250 mL, 9N H2SO4	✓ 2p
25K0439-04 T	HDPE NM, 250mL HNO3	✓
25K0439-05 A	VOA Vial, Clear, 40 mL, HCL	
25K0439-05 B	VOA Vial, Clear, 40 mL, HCL	
25K0439-05 C	VOA Vial, Clear, 40 mL, HCL	
25K0439-05 D	VOA Vial, Clear, 40 mL, HCL	



WORK ORDER

25K0439

Client: Mott MacDonald

Project Manager: Kelly Bottem

Project: Snipes MTN Landfill 2025

Project Number: Snipes MTN Landfill 2025

25K0439-05 E VOA Vial, Clear, 40 mL, HCL

25K0439-05 F HDPE NM, 250mL HNO3 (FF)

L2P

25K0439-05 G HDPE NM, 1000 mL

25K0439-05 H HDPE NM, 250mL

25K0439-05 I HDPE NM, 250mL

25K0439-06 A VOA Vial, Clear, 40 mL, HCL

25K0439-06 B VOA Vial, Clear, 40 mL, HCL

25K0439-06 C VOA Vial, Clear, 40 mL, HCL

25K0439-06 D VOA Vial, Clear, 40 mL, HCL

25K0439-06 E VOA Vial, Clear, 40 mL, HCL

25K0439-06 F HDPE NM, 250mL HNO3 (FF)

L2P

25K0439-06 G HDPE NM, 1000 mL

25K0439-06 H HDPE NM, 250mL

25K0439-06 I HDPE NM, 250mL

SA

Preservation Confirmed By

11/21/25

Date



Cooler Receipt Form

ARI Client: Mott Mac

Project Name: Snipes Mtn RT

COC No(s): _____ NA

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: 25K0439

Tracking No: _____ NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler? YES NO

Were custody papers included with the cooler? YES NO

Were custody papers properly filled out (ink, signed, etc.) YES NO

Temperature of Cooler(s) (°C) Time 0938 3.2 1.1 2.1 3.1 0.8 1.0 Temp Gun ID#: 9708

Was a temperature blank included in the cooler? 0.9 YES NO

Were coolers received between 0°- 6° (°C) YES NO

Was sufficient ice used (if appropriate)? NA YES NO

Cooler Accepted by: SA Date: 11/21/25 Time: 0938

Complete custody forms and attach all shipping documents

Log-In Phase:

What kind of packing material was used? Bubble Wrap Wet Ice Gel Packs Baggies Foam Block N/A Other: _____

Are any samples that were out of temperature compliance documented in LIMS? YES NO

How were bottles sealed in plastic bags? Individually Grouped Not

Did all bottles arrive in good condition (unbroken)? YES NO

Were all bottle labels complete and legible? YES NO

Did the number of containers listed on COC match with the number of containers received? SA 11/21 YES NO 2

Did all bottle labels and tags agree with custody papers? YES NO

Were all bottles used correct for the requested analyses? YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ... NA YES NO

Were all VOC vials free of air bubbles? NA YES NO

Was sufficient amount of sample sent in each bottle? 11/21 SA YES NO 1

Date VOC Trip Blank was made at ARI: 11/10/25

Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: SA Date: 11/21/25 Time: 0952 Labels checked by: SA

**** Notify Project Manager of discrepancies or concerns ****

Additional Notes, Discrepancies, & Resolutions:

Limited volume for TSS and NO₂/NO₃ for sample line-03. -SA 11/21/25

Trip blanks received but not listed on Coc. Added to end of WO.

By: SA Date: 11/21/25



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 12:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 10:16

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-01 C

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	101	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	101	%	



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Semivolatile Organic Compounds

Method: EPA 8270E
Instrument: NT17 Analyst: AA

Sampled: 11/19/2025 12:00

Analyzed: 11/28/2025 17:17

Sample Preparation: Preparation Method: EPA 3510C SepF
Preparation Batch: BNK0386
Prepared: 11/21/2025

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-01 I 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Phenol	108-95-2	1	0.2	0.4	ND	ug/L	U
bis(2-chloroethyl) ether	111-44-4	1	0.2	0.4	ND	ug/L	U
2-Chlorophenol	95-57-8	1	0.2	0.4	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.2	0.4	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.2	0.4	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.2	0.4	ND	ug/L	U
Benzyl Alcohol	100-51-6	1	0.2	0.4	ND	ug/L	U
2,2'-Oxybis(1-chloropropane)	108-60-1	1	0.2	0.4	ND	ug/L	U
2-Methylphenol	95-48-7	1	0.2	0.4	ND	ug/L	U
Hexachloroethane	67-72-1	1	0.2	0.4	ND	ug/L	U
N-Nitroso-di-n-Propylamine	621-64-7	1	0.2	0.4	ND	ug/L	U
4-Methylphenol	106-44-5	1	0.2	0.4	ND	ug/L	U
Nitrobenzene	98-95-3	1	0.2	0.4	ND	ug/L	U
Isophorone	78-59-1	1	0.2	0.4	ND	ug/L	U
2-Nitrophenol	88-75-5	1	1.0	2.0	ND	ug/L	U
2,4-Dimethylphenol	105-67-9	1	1.0	2.0	ND	ug/L	U
Bis(2-Chloroethoxy)methane	111-91-1	1	0.2	0.4	ND	ug/L	U
2,4-Dichlorophenol	120-83-2	1	1.0	2.0	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.2	0.4	ND	ug/L	U
Naphthalene	91-20-3	1	0.2	0.4	ND	ug/L	U
Benzoic acid	65-85-0	1	2.0	4.0	ND	ug/L	U
4-Chloroaniline	106-47-8	1	1.0	2.0	ND	ug/L	U
Hexachlorobutadiene	87-68-3	1	0.2	0.4	ND	ug/L	U
4-Chloro-3-Methylphenol	59-50-7	1	1.0	2.0	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.2	0.4	ND	ug/L	U
Hexachlorocyclopentadiene	77-47-4	1	1.0	2.0	ND	ug/L	U
2,4,6-Trichlorophenol	88-06-2	1	1.0	2.0	ND	ug/L	U
2,4,5-Trichlorophenol	95-95-4	1	1.0	2.0	ND	ug/L	U
2-Chloronaphthalene	91-58-7	1	0.2	0.4	ND	ug/L	U
2-Nitroaniline	88-74-4	1	1.0	2.0	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.2	0.4	ND	ug/L	U
Dimethylphthalate	131-11-3	1	0.2	0.4	ND	ug/L	U
2,6-Dinitrotoluene	606-20-2	1	1.0	2.0	ND	ug/L	U
Acenaphthene	83-32-9	1	0.2	0.4	ND	ug/L	U
3-Nitroaniline	99-09-2	1	1.0	2.0	ND	ug/L	U
2,4-Dinitrophenol	51-28-5	1	2.0	4.0	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.2	0.4	ND	ug/L	U
4-Nitrophenol	100-02-7	1	1.0	2.0	ND	ug/L	U
2,4-Dinitrotoluene	121-14-2	1	1.0	2.0	ND	ug/L	U



Mott MacDonald
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Semivolatile Organic Compounds

Method: EPA 8270E

Sampled: 11/19/2025 12:00

Instrument: NT17 Analyst: AA

Analyzed: 11/28/2025 17:17

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Fluorene	86-73-7	1	0.2	0.4	ND	ug/L	U
4-Chlorophenylphenyl ether	7005-72-3	1	0.2	0.4	ND	ug/L	U
Diethyl phthalate	84-66-2	1	0.2	0.4	ND	ug/L	U
4-Nitroaniline	100-01-6	1	1.0	2.0	ND	ug/L	U
4,6-Dinitro-2-methylphenol	534-52-1	1	2.0	4.0	ND	ug/L	U
N-Nitrosodiphenylamine	86-30-6	1	0.2	0.4	ND	ug/L	U
4-Bromophenyl phenyl ether	101-55-3	1	0.2	0.4	ND	ug/L	U
Hexachlorobenzene	118-74-1	1	0.2	0.4	ND	ug/L	U
Pentachlorophenol	87-86-5	1	1.0	2.0	ND	ug/L	U
Phenanthrene	85-01-8	1	0.2	0.4	ND	ug/L	U
Anthracene	120-12-7	1	0.2	0.4	ND	ug/L	U
Carbazole	86-74-8	1	0.2	0.4	ND	ug/L	U
Di-n-Butylphthalate	84-74-2	1	0.2	0.4	ND	ug/L	U
Fluoranthene	206-44-0	1	0.2	0.4	ND	ug/L	U
Pyrene	129-00-0	1	0.2	0.4	ND	ug/L	U
Butylbenzylphthalate	85-68-7	1	0.2	0.4	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.2	0.4	ND	ug/L	U
3,3'-Dichlorobenzidine	91-94-1	1	1.0	2.0	ND	ug/L	U
Chrysene	218-01-9	1	0.2	0.4	ND	ug/L	U
bis(2-Ethylhexyl)phthalate	117-81-7	1	0.4	0.4	ND	ug/L	U
Di-n-Octylphthalate	117-84-0	1	0.2	0.4	ND	ug/L	U
Benzo(a)fluoranthene, Total		1	0.4	0.8	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.2	0.4	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.4	0.4	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.2	0.4	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.2	0.4	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.2	0.4	ND	ug/L	U
2,3,4,6-Tetrachlorophenol	58-90-2	1	0.2	0.4	ND	ug/L	U
Surrogate: 2-Fluorophenol				30-160 %	39.1	%	
Surrogate: Phenol-d5				30-160 %	24.4	%	*
Surrogate: 2-Chlorophenol-d4				30-160 %	79.9	%	
Surrogate: 1,2-Dichlorobenzene-d4				30-160 %	82.7	%	
Surrogate: Nitrobenzene-d5				30-160 %	93.2	%	
Surrogate: 2-Fluorobiphenyl				30-160 %	87.8	%	
Surrogate: 2,4,6-Tribromophenol				30-160 %	75.6	%	
Surrogate: p-Terphenyl-d14				30-160 %	128	%	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Semivolatile Organic Compounds

Method: EPA 8270E
Instrument: NT6 Analyst: JZ

Sampled: 11/19/2025 12:00

Analyzed: 12/05/2025 16:13

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq)
Preparation Batch: BNK0418
Prepared: 11/24/2025

Sample Size: 500 mL

Final Volume: 1 mL

Extract ID: 25K0439-01 J 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
1,4-Dioxane	123-91-1	1	0.2	0.4	ND	ug/L	U
Surrogate: 1,2-Dichlorobenzene-d4				30-160 %	88.2	%	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM
Instrument: NT8 Analyst: JZ

Sampled: 11/19/2025 12:00

Analyzed: 12/04/2025 16:51

Sample Preparation: Preparation Method: EPA 3510C SepF
Preparation Batch: BNK0387
Prepared: 11/21/2025

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-01 H 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.020	0.020	0.091	ug/L	B
2-Methylnaphthalene	91-57-6	1	0.020	0.020	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.020	0.020	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.020	0.020	ND	ug/L	U
Acenaphthene	83-32-9	1	0.020	0.020	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.020	0.020	ND	ug/L	U
Fluorene	86-73-7	1	0.010	0.020	ND	ug/L	U
Phenanthrene	85-01-8	1	0.020	0.020	ND	ug/L	U
Anthracene	120-12-7	1	0.020	0.020	ND	ug/L	U
Carbazole	86-74-8	1	0.020	0.020	ND	ug/L	U
Fluoranthene	206-44-0	1	0.020	0.020	ND	ug/L	U
Pyrene	129-00-0	1	0.020	0.020	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.020	0.020	ND	ug/L	U
Chrysene	218-01-9	1	0.020	0.020	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.020	0.020	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.020	0.020	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.020	0.020	ND	ug/L	U
# Benzofluoranthenes, Total		1	0.020	0.020	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.020	0.020	ND	ug/L	U
Perylene	198-55-0	1	0.010	0.020	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.020	0.020	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.020	0.020	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.020	0.020	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				42-120 %	88.2	%	
Surrogate: Dibenzo[a,h]anthracene-d14				29-120 %	71.1	%	
Surrogate: Fluoranthene-d10				57-120 %	109	%	



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Chlorinated Pesticides

Method: EPA 8081B
Instrument: ECD9 Analyst: RKT

Sampled: 11/19/2025 12:00

Analyzed: 12/01/2025 12:35

Sample Preparation: Preparation Method: EPA 3510C SepF
Preparation Batch: BNK0449
Prepared: 11/25/2025

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-01 K 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
alpha-BHC	319-84-6	1	0.0006	0.0013	ND	ug/L	U
beta-BHC	319-85-7	1	0.0006	0.0013	ND	ug/L	U
gamma-BHC (Lindane)	58-89-9	1	0.0006	0.0013	ND	ug/L	U
delta-BHC	319-86-8	1	0.0006	0.0013	ND	ug/L	U
Heptachlor	76-44-8	1	0.0006	0.0013	ND	ug/L	U
Aldrin	309-00-2	1	0.0006	0.0013	ND	ug/L	U
Heptachlor Epoxide	1024-57-3	1	0.0006	0.0013	ND	ug/L	U
trans-Chlordane (beta/gamma-Chlordane)	5103-74-2	1	0.0006	0.0013	ND	ug/L	U
cis-Chlordane (alpha-chlordane)	5103-71-9	1	0.0006	0.0013	ND	ug/L	U
Endosulfan I	959-98-8	1	0.0006	0.0013	ND	ug/L	U
4,4'-DDE	72-55-9	1	0.0013	0.0025	ND	ug/L	U
Endrin	72-20-8	1	0.0013	0.0025	ND	ug/L	U
Endosulfan II	33213-65-9	1	0.0013	0.0025	ND	ug/L	U
4,4'-DDD	72-54-8	1	0.0013	0.0025	ND	ug/L	U
Endrin Aldehyde	7421-93-4	1	0.0013	0.0025	ND	ug/L	U
4,4'-DDT	50-29-3	1	0.0013	0.0025	ND	ug/L	U
Endosulfan Sulfate	1031-07-8	1	0.0013	0.0025	ND	ug/L	U
Endrin Ketone	53494-70-5	1	0.0013	0.0025	ND	ug/L	U
Methoxychlor	72-43-5	1	0.0063	0.0125	ND	ug/L	U
Hexachlorobutadiene	87-68-3	1	0.0013	0.0025	ND	ug/L	U
Hexachlorobenzene	118-74-1	1	0.0013	0.0025	ND	ug/L	U
Oxychlordane	27304-13-8	1	0.0025	0.0025	ND	ug/L	U
Chlordane (NOS)	57-74-9	1	0.0100	0.0100	ND	ug/L	U
Surrogate: Decachlorobiphenyl				30-160 %	69.5	%	
Surrogate: Decachlorobiphenyl [2C]				30-160 %	71.1	%	
Surrogate: Tetrachlorometaxylene				30-160 %	79.2	%	
Surrogate: Tetrachlorometaxylene [2C]				30-160 %	67.8	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Dioxins/Furans

Method: EPA 1613B			Sampled: 11/19/2025 12:00
Instrument: AUTOSPEC01 Analyst: jgr			Analyzed: 12/13/2025 07:00
Sample Preparation:	Preparation Method: EPA 1613		Extract ID: 25K0439-01 F 01
	Preparation Batch: BNL0007		
	Sample Size: 990 mL		
	Prepared: 12/01/2025	Final Volume: 20 uL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 25K0439-01 F 01
	Cleanup Batch: CNL0013		
	Initial Volume: 20 uL		
	Cleaned: 02-Dec-2025	Final Volume: 20 uL	
Sample Cleanup:	Cleanup Method: Florisil		Extract ID:25K0439-01 F 01
	Cleanup Batch: CNL0014		
	Initial Volume: 20 uL		
	Cleaned: 02-Dec-2025	Final Volume: 20 uL	

Analyte	DF/Split	Ion Ratio	Ratio Limits	Reporting		Result	Units	Notes
				EDL	Limit			
2,3,7,8-TCDF			0.655-0.886	3.14	10.1	ND	pg/L	U
2,3,7,8-TCDD			0.655-0.886	2.01	10.1	ND	pg/L	U
1,2,3,7,8-PeCDF			1.318-1.783	3.33	10.1	ND	pg/L	U
2,3,4,7,8-PeCDF			1.318-1.783	3.06	10.1	ND	pg/L	U
1,2,3,7,8-PeCDD			1.318-1.783	3.24	10.1	ND	pg/L	U
1,2,3,4,7,8-HxCDF			1.054-1.426	1.87	10.1	ND	pg/L	U
1,2,3,6,7,8-HxCDF			1.054-1.426	1.97	10.1	ND	pg/L	U
2,3,4,6,7,8-HxCDF			1.054-1.426	1.82	10.1	ND	pg/L	U
1,2,3,7,8,9-HxCDF			1.054-1.426	2.47	10.1	ND	pg/L	U
1,2,3,4,7,8-HxCDD			1.054-1.426	2.46	10.1	ND	pg/L	U
1,2,3,6,7,8-HxCDD			1.054-1.426	2.55	10.1	ND	pg/L	U
1,2,3,7,8,9-HxCDD			1.054-1.426	2.72	10.1	ND	pg/L	U
1,2,3,4,6,7,8-HpCDF			0.893-1.208	1.55	20.2	ND	pg/L	U
1,2,3,4,7,8,9-HpCDF			0.893-1.208	2.51	10.1	ND	pg/L	U
1,2,3,4,6,7,8-HpCDD			0.893-1.208	2.94	10.1	ND	pg/L	U
OCDF			0.757-1.024	3.89	20.2	ND	pg/L	U
OCDD			0.757-1.024	4.00	50.5	ND	pg/L	U

Homologue groups

Total TCDF					10.1	ND	pg/L	U
Total TCDD					10.1	ND	pg/L	U
Total PeCDF					10.1	ND	pg/L	U
Total PeCDD					10.1	ND	pg/L	U
Total HxCDF					10.1	ND	pg/L	U
Total HxCDD					10.1	ND	pg/L	U
Total HpCDF					10.1	ND	pg/L	U
Total HpCDD					10.1	ND	pg/L	U

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC): 4.12
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC): 0.00
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, EMPC = ND): 4.12
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, EMPC = ND): 0.00



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Dioxins/Furans

Method: EPA 1613B

Sampled: 11/19/2025 12:00

Instrument: AUTOSPEC01 Analyst: jgr

Analyzed: 12/13/2025 07:00

Analyte	DF/Split	Ion Ratio	Ratio Limits	Reporting Limit	Result	Units	Notes
Labeled compounds							
13C12-2,3,7,8-TCDF		0.759	0.655-0.886	24-169 %	70.2	%	
13C12-2,3,7,8-TCDD		0.733	0.655-0.886	25-164 %	92.6	%	
13C12-1,2,3,7,8-PeCDF		1.602	1.318-1.783	24-185 %	81.1	%	
13C12-2,3,4,7,8-PeCDF		1.532	1.318-1.783	21-178 %	78.0	%	
13C12-1,2,3,7,8-PeCDD		1.598	1.318-1.783	25-181 %	72.1	%	
13C12-1,2,3,4,7,8-HxCDF		0.547	0.434-0.587	26-152 %	74.6	%	
13C12-1,2,3,6,7,8-HxCDF		0.558	0.434-0.587	26-123 %	70.2	%	
13C12-2,3,4,6,7,8-HxCDF		0.545	0.434-0.587	28-136 %	68.6	%	
13C12-1,2,3,7,8,9-HxCDF		0.540	0.434-0.587	29-147 %	69.8	%	
13C12-1,2,3,4,7,8-HxCDD		1.290	1.054-1.426	32-141 %	82.2	%	
13C12-1,2,3,6,7,8-HxCDD		1.169	1.054-1.426	28-130 %	71.0	%	
13C12-1,2,3,4,6,7,8-HpCDF		0.452	0.374-0.506	28-143 %	65.4	%	
13C12-1,2,3,4,7,8,9-HpCDF		0.460	0.374-0.506	26-138 %	61.9	%	
13C12-1,2,3,4,6,7,8-HpCDD		1.035	0.893-1.208	23-140 %	76.0	%	
13C12-OCDD		1.003	0.757-1.024	17-157 %	69.5	%	
37Cl4-2,3,7,8-TCDD				35-197 %	85.9	%	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Dioxins/Furans

Method: EPA 1613B
Instrument: AUTOSPEC01 Analyst: jgr

Sampled: 11/19/2025 12:00
Analyzed: 12/13/2025 07:00

SMW-4
25K0439-01 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D
Instrument: ICP3 Analyst: SH

Sampled: 11/19/2025 12:00
Analyzed: 12/09/2025 06:28

Sample Preparation: Preparation Method: WMN (No Prep) Sample Size: 25 mL
Preparation Batch: BNL0124 Final Volume: 25 mL
Prepared: 12/05/2025 Extract ID: 25K0439-01 V

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	36.8	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	11.8	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.74	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	20.4	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0075	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/19/2025 12:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/06/2025 00:00

Sample Preparation: Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
Preparation Batch: BNL0093 Sample Size: 25 mL
Prepared: 12/04/2025 Final Volume: 25 mL

Extract ID: 25K0439-01 V 02

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	4.21	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	9.22	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	0.820	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	ND	ug/L	U
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	0.332	ug/L	J
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	ND	ug/L	U
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	ND	ug/L	U



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 12:00
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:14
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-01 V

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 12:00

Instrument: [CALC] Analyst: CRB

Analyzed: 12/05/2025 04:04

Sample Preparation:

Preparation Method: [CALC]

Extract ID: 25K0439-01

Preparation Batch: [CALC]

Prepared: 12/04/2025

Final Volume: 1

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.0200	ND	mg/L	U, H



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 12:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/21/2025 12:15

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 S

Preparation Batch: BNK0397

Sample Size: 10 mL

Prepared: 11/21/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.010	0.010	ND	mg/L	H, U



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 12:00

Instrument: LACHAT2 Analyst: GJD

Analyzed: 12/05/2025 04:04

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 U

Preparation Batch: BNL0105

Sample Size: 10 mL

Prepared: 12/04/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate + Nitrite as N		1	0.010	0.010	0.018	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 12:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:35

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 S

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	2	4.00	4.00	35.8	mg/L	D



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 410.4

Sampled: 11/19/2025 12:00

Instrument: UV1800-1 Analyst: KOTT

Analyzed: 11/25/2025 12:13

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 U

Preparation Batch: BNK0462

Sample Size: 2 mL

Prepared: 11/24/2025

Final Volume: 2 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
COD		1	10.0	10.0	29.1	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: EPA 9060A

Sampled: 11/19/2025 12:00

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 12/03/2025 17:47

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 U

Preparation Batch: BNL0032

Sample Size: 20 mL

Prepared: 12/01/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	5.60	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 12:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 T

Preparation Batch: BNK0468

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	146	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	146	mg/L CaCO ₃	



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Reported:
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SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: SM 2540 C-11

Sampled: 11/19/2025 12:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/25/2025 13:15

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01

Preparation Batch: BNK0464

Sample Size: 200 mL

Prepared: 11/25/2025

Final Volume: 200 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dissolved Solids		1	5	5	231	mg/L	B



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 12:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01

Preparation Batch: BNK0401

Sample Size: 970 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 12:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/24/2025 14:28

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 S

Preparation Batch: BNK0433

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	1	1.00	1.00	8.27	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01 (Water)

Wet Chemistry

Method: SM 4500-NH3 H-11

Sampled: 11/19/2025 12:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/03/2025 13:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-01 U

Preparation Batch: BNL0053

Sample Size: 10 mL

Prepared: 12/02/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Ammonia-N	7664-41-7	1	0.040	0.040	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH
Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497
Prepared: 11/28/2025
Sample Size: 10 mL
Final Volume: 10 mL
Extract ID: 25K0439-01RE1 E
Sampled: 11/19/2025 12:00
Analyzed: 11/28/2025 15:43

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	0.66	ug/L	
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.97	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	6.46	ug/L	



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 12:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 15:43

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.43	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	98.4	%	
Surrogate: Toluene-d8				80-120 %	97.9	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	98.4	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	99.0	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-4
25K0439-01RE1 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM

Sampled: 11/19/2025 12:00

Instrument: NT8 Analyst: JZ

Analyzed: 12/08/2025 20:57

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-01RE1 M 01

Preparation Batch: BNL0119

Sample Size: 500 mL

Prepared: 12/05/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.020	0.020	ND	ug/L	H, U
Surrogate: 2-Methylnaphthalene-d10				42-120 %	87.5	%	H
Surrogate: Dibenzo[a,h]anthracene-d14				29-120 %	62.8	%	H
Surrogate: Fluoranthene-d10				57-120 %	112	%	H



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Reported:
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SMW-4
25K0439-01RE1 (Water)

Chlorinated Pesticides

Method: EPA 8081B

Sampled: 11/19/2025 12:00

Instrument: ECD9 Analyst: RKT

Analyzed: 12/05/2025 15:45

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-01RE1 L 01

Preparation Batch: BNL0086

Sample Size: 500 mL

Prepared: 12/04/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
alpha-BHC	319-84-6	1	0.0006	0.0013	ND	ug/L	H, U
beta-BHC	319-85-7	1	0.0006	0.0013	ND	ug/L	H, U
gamma-BHC (Lindane)	58-89-9	1	0.0006	0.0013	ND	ug/L	H, U
delta-BHC	319-86-8	1	0.0006	0.0013	ND	ug/L	H, U
Heptachlor	76-44-8	1	0.0006	0.0013	ND	ug/L	H, U
Aldrin	309-00-2	1	0.0006	0.0013	ND	ug/L	H, U
Heptachlor Epoxide	1024-57-3	1	0.0006	0.0013	ND	ug/L	H, U
trans-Chlordane (beta/gamma-Chlordane)	5103-74-2	1	0.0006	0.0013	ND	ug/L	H, U
cis-Chlordane (alpha-chlordane)	5103-71-9	1	0.0006	0.0013	ND	ug/L	H, U
Endosulfan I	959-98-8	1	0.0006	0.0013	ND	ug/L	H, U
4,4'-DDE	72-55-9	1	0.0013	0.0025	ND	ug/L	H, U
Endrin	72-20-8	1	0.0013	0.0025	ND	ug/L	H, U
Endosulfan II	33213-65-9	1	0.0013	0.0025	ND	ug/L	H, U
4,4'-DDD	72-54-8	1	0.0013	0.0025	ND	ug/L	H, U
Endrin Aldehyde	7421-93-4	1	0.0013	0.0025	ND	ug/L	H, U
4,4'-DDT	50-29-3	1	0.0013	0.0025	ND	ug/L	H, U
Endosulfan Sulfate	1031-07-8	1	0.0013	0.0025	ND	ug/L	H, U
Endrin Ketone	53494-70-5	1	0.0013	0.0025	ND	ug/L	H, U
Methoxychlor	72-43-5	1	0.0063	0.0125	ND	ug/L	H, U
Hexachlorobutadiene	87-68-3	1	0.0013	0.0025	ND	ug/L	H, U
Hexachlorobenzene	118-74-1	1	0.0013	0.0025	ND	ug/L	H, U
Oxychlordane	27304-13-8	1	0.0025	0.0025	ND	ug/L	H, U
Chlordane (NOS)	57-74-9	1	0.0100	0.0100	ND	ug/L	H, U
Surrogate: Decachlorobiphenyl				30-160 %	105	%	H
Surrogate: Decachlorobiphenyl [2C]				30-160 %	80.9	%	H
Surrogate: Tetrachlorometaxylene				30-160 %	85.3	%	H
Surrogate: Tetrachlorometaxylene [2C]				30-160 %	78.4	%	H



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Reported:
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SMW-4
25K0439-01RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/19/2025 12:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/11/2025 23:42

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-01RE1 V 03

Preparation Batch: BNL0193

Sample Size: 25 mL

Prepared: 12/09/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Reported:
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SMW-4
25K0439-01RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 12:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 23:18
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-01RE2 V 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Reported:
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SMW-4
25K0439-01RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 12:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 18:25
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-01RE3 V 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



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Reported:
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SMW-2
25K0439-02 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/20/2025 09:15

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 10:36

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-02 B

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	107	%	
Surrogate: Toluene-d8				80-120 %	99.1	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	100	%	



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Reported:
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SMW-2
25K0439-02 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D

Sampled: 11/20/2025 09:15

Instrument: ICP3 Analyst: SH

Analyzed: 12/09/2025 07:22

Sample Preparation:

Preparation Method: WMN (No Prep)

Extract ID: 25K0439-02 I

Preparation Batch: BNL0124

Sample Size: 25 mL

Prepared: 12/05/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	41.8	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	0.171	mg/L	
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	13.8	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	0.0233	mg/L	
Potassium, Dissolved	7440-09-7	1	0.250	0.500	8.29	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	21.5	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0040	mg/L	



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Reported:
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SMW-2
25K0439-02 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/20/2025 09:15
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/05/2025 23:31
Sample Preparation:	Extract ID: 25K0439-02 I 02
Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix	
Preparation Batch: BNL0093	Sample Size: 25 mL
Prepared: 12/04/2025	Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	2.58	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	50.3	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.99	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	ND	ug/L	U
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	118	ug/L	
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	3.23	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	7.90	ug/L	



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Reported:
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SMW-2
25K0439-02 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/20/2025 09:15
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:26
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-02 I

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Reported:
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SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 09:15

Instrument: [CALC] Analyst: CRB

Analyzed: 12/05/2025 04:05

Sample Preparation:

Preparation Method: [CALC]

Extract ID: 25K0439-02

Preparation Batch: [CALC]

Prepared: 12/04/2025

Final Volume: 1

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.0200	0.526	mg/L	



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Reported:
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SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 09:15

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/21/2025 12:13

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 G

Preparation Batch: BNK0397

Sample Size: 10 mL

Prepared: 11/21/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.010	0.010	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 09:15

Instrument: LACHAT2 Analyst: GJD

Analyzed: 12/05/2025 04:05

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 H

Preparation Batch: BNL0105

Sample Size: 10 mL

Prepared: 12/04/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate + Nitrite as N		1	0.010	0.010	0.526	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/20/2025 09:15

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:37

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 G

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	98.7	mg/L	D



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Reported:
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SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 410.4

Sampled: 11/20/2025 09:15

Instrument: UV1800-1 Analyst: KOTT

Analyzed: 11/25/2025 12:31

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 H

Preparation Batch: BNK0462

Sample Size: 2 mL

Prepared: 11/24/2025

Final Volume: 2 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
COD		1	10.0	10.0	25.7	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: EPA 9060A

Sampled: 11/20/2025 09:15

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 12/03/2025 18:05

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 H

Preparation Batch: BNL0032

Sample Size: 20 mL

Prepared: 12/01/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	6.24	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/20/2025 09:15

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/24/2025 14:29

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 G

Preparation Batch: BNK0433

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	1	1.00	1.00	7.32	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02 (Water)

Wet Chemistry

Method: SM 4500-NH3 H-11

Sampled: 11/20/2025 09:15

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/03/2025 13:39

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-02 H

Preparation Batch: BNL0053

Sample Size: 10 mL

Prepared: 12/02/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Ammonia-N	7664-41-7	1	0.040	0.040	ND	mg/L	U



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Reported:
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SMW-2
25K0439-02RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/20/2025 09:15

Analyzed: 11/28/2025 16:05

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-02RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	ND	ug/L	U
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/20/2025 09:15

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 16:05

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	ND	ug/L	U
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	97.7	%	
Surrogate: Toluene-d8				80-120 %	96.9	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	104	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	105	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/20/2025 09:15

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/11/2025 23:47

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-02RE1 I 03

Preparation Batch: BNL0193

Sample Size: 25 mL

Prepared: 12/09/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project Manager: Ashley Parkhurst

Reported:
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SMW-2
25K0439-02RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/20/2025 09:15

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/08/2025 22:18

Sample Preparation: Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
Preparation Batch: BNL0093 Sample Size: 25 mL
Prepared: 12/04/2025 Final Volume: 25 mL

Extract ID: 25K0439-02RE2 I 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Reported:
19-Dec-2025 16:00

SMW-2
25K0439-02RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/20/2025 09:15
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 18:16
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-02RE3 I 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	14.1	ug/L	D



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Reported:
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SMW-5s
25K0439-03 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/20/2025 10:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 10:57

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-03 A

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	99.9	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	100	%	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Metals and Metallic Compounds

Method: EPA 6010D
Instrument: ICP3 Analyst: SH

Sampled: 11/20/2025 10:00

Analyzed: 12/04/2025 09:52

Sample Preparation: Preparation Method: TWC EPA 3010A
Preparation Batch: BNL0070
Prepared: 12/03/2025

Sample Size: 25 mL
Final Volume: 25 mL

Extract ID: 25K0439-03 K 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium	7440-70-2	1	0.0300	0.0500	70.8	mg/L	
Cobalt	7440-48-4	1	0.0025	0.0050	0.0043	mg/L	J
Iron	7439-89-6	1	0.0540	0.100	1.47	mg/L	
Magnesium	7439-95-4	1	0.0250	0.0500	15.6	mg/L	
Manganese	7439-96-5	1	0.0020	0.0040	0.109	mg/L	
Potassium	7440-09-7	1	0.250	0.500	4.61	mg/L	
Sodium	7440-23-5	1	0.250	0.500	25.0	mg/L	
Vanadium	7440-62-2	1	0.0015	0.0030	0.0175	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Metals and Metallic Compounds

Method: EPA 6020B

Sampled: 11/20/2025 10:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/02/2025 18:56

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-03 K 01

Preparation Batch: BNL0037

Sample Size: 25 mL

Prepared: 12/02/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Antimony	7440-36-0	1	0.150	0.200	0.401	ug/L	
Arsenic UCT	7440-38-2	1	0.100	0.200	8.00	ug/L	
Barium	7440-39-3	1	0.250	0.500	32.6	ug/L	
Beryllium	7440-41-7	1	0.100	0.200	0.186	ug/L	J
Cadmium UCT	7440-43-9	1	0.0500	0.100	0.115	ug/L	
Copper UCT	7440-50-8	1	0.200	0.500	5.22	ug/L	
Lead	7439-92-1	1	0.100	0.200	1.62	ug/L	
Nickel UCT	7440-02-0	1	0.250	0.500	128	ug/L	
Selenium UCT	7782-49-2	1	0.500	1.00	2.23	ug/L	
Thallium	7440-28-0	1	0.100	0.200	ND	ug/L	U
Zinc UCT	7440-66-6	1	3.00	6.00	20.3	ug/L	



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Reported:
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SMW-5s
25K0439-03 (Water)

Metals and Metallic Compounds

Method: EPA 7470A

Sampled: 11/20/2025 10:00

Instrument: HYDRA Analyst: ML

Analyzed: 12/04/2025 14:21

Sample Preparation:

Preparation Method: TWM EPA 7470A

Extract ID: 25K0439-03 K

Preparation Batch: BNL0074

Sample Size: 20 mL

Prepared: 12/03/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 10:00

Instrument: [CALC] Analyst: CRB

Analyzed: 12/05/2025 04:06

Sample Preparation:

Preparation Method: [CALC]

Extract ID: 25K0439-03

Preparation Batch: [CALC]

Prepared: 12/04/2025

Final Volume: 1

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.0200	0.842	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 10:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/21/2025 12:16

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03 I

Preparation Batch: BNK0397

Sample Size: 10 mL

Prepared: 11/21/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.010	0.010	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/20/2025 10:00

Instrument: LACHAT2 Analyst: GJD

Analyzed: 12/05/2025 04:06

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03 J

Preparation Batch: BNL0105

Sample Size: 10 mL

Prepared: 12/04/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate + Nitrite as N		1	0.010	0.010	0.842	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: EPA 410.4

Sampled: 11/20/2025 10:00

Instrument: UV1800-1 Analyst: KOTT

Analyzed: 11/25/2025 12:32

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03 J

Preparation Batch: BNK0462

Sample Size: 2 mL

Prepared: 11/24/2025

Final Volume: 2 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
COD		1	10.0	10.0	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: EPA 9060A

Sampled: 11/20/2025 10:00

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 12/03/2025 18:27

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03 J

Preparation Batch: BNL0032

Sample Size: 20 mL

Prepared: 12/01/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	10.38	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/20/2025 10:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03 H

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	166	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	166	mg/L CaCO ₃	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: SM 2540 C-11

Sampled: 11/20/2025 10:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/25/2025 13:15

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03

Preparation Batch: BNK0464

Sample Size: 200 mL

Prepared: 11/25/2025

Final Volume: 200 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dissolved Solids		1	5	5	276	mg/L	B



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/20/2025 10:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-03

Preparation Batch: BNK0401

Sample Size: 300 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	3	3	25	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: SM 4500-NH3 H-11
Instrument: LACHAT1 Analyst: CRB

Sampled: 11/20/2025 10:00

Analyzed: 12/03/2025 13:41

Sample Preparation: Preparation Method: No Prep Wet Chem
Preparation Batch: BNL0053 Sample Size: 10 mL
Prepared: 12/02/2025 Final Volume: 10 mL

Extract ID: 25K0439-03 J

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Ammonia-N	7664-41-7	1	0.040	0.040	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/20/2025 10:00

Analyzed: 11/28/2025 16:27

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-03RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	ND	ug/L	U
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	1.02	ug/L	



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Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/20/2025 10:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 16:27

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	ND	ug/L	U
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	99.0	%	
Surrogate: Toluene-d8				80-120 %	96.8	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	102	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	103	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03RE1 (Water)

Metals and Metallic Compounds

Method: EPA 6020B

Sampled: 11/20/2025 10:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/02/2025 19:02

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-03RE1 K 01

Preparation Batch: BNL0037

Sample Size: 25 mL

Prepared: 12/02/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium	7440-47-3	10	3.75	5.00	11.4	ug/L	D



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 11:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 11:17

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-04 A

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	99.7	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	103	%	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Semivolatile Organic Compounds

Method: EPA 8270E

Sampled: 11/19/2025 11:00

Instrument: NT17 Analyst: AA

Analyzed: 11/28/2025 17:51

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-04 I 01

Preparation Batch: BNK0386

Sample Size: 500 mL

Prepared: 11/21/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Phenol	108-95-2	1	0.2	0.4	ND	ug/L	U
bis(2-chloroethyl) ether	111-44-4	1	0.2	0.4	ND	ug/L	U
2-Chlorophenol	95-57-8	1	0.2	0.4	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.2	0.4	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.2	0.4	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.2	0.4	ND	ug/L	U
Benzyl Alcohol	100-51-6	1	0.2	0.4	ND	ug/L	U
2,2'-Oxybis(1-chloropropane)	108-60-1	1	0.2	0.4	ND	ug/L	U
2-Methylphenol	95-48-7	1	0.2	0.4	ND	ug/L	U
Hexachloroethane	67-72-1	1	0.2	0.4	ND	ug/L	U
N-Nitroso-di-n-Propylamine	621-64-7	1	0.2	0.4	ND	ug/L	U
4-Methylphenol	106-44-5	1	0.2	0.4	ND	ug/L	U
Nitrobenzene	98-95-3	1	0.2	0.4	ND	ug/L	U
Isophorone	78-59-1	1	0.2	0.4	ND	ug/L	U
2-Nitrophenol	88-75-5	1	1.0	2.0	ND	ug/L	U
2,4-Dimethylphenol	105-67-9	1	1.0	2.0	ND	ug/L	U
Bis(2-Chloroethoxy)methane	111-91-1	1	0.2	0.4	ND	ug/L	U
2,4-Dichlorophenol	120-83-2	1	1.0	2.0	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.2	0.4	ND	ug/L	U
Naphthalene	91-20-3	1	0.2	0.4	ND	ug/L	U
Benzoic acid	65-85-0	1	2.0	4.0	ND	ug/L	U
4-Chloroaniline	106-47-8	1	1.0	2.0	ND	ug/L	U
Hexachlorobutadiene	87-68-3	1	0.2	0.4	ND	ug/L	U
4-Chloro-3-Methylphenol	59-50-7	1	1.0	2.0	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.2	0.4	ND	ug/L	U
Hexachlorocyclopentadiene	77-47-4	1	1.0	2.0	ND	ug/L	U
2,4,6-Trichlorophenol	88-06-2	1	1.0	2.0	ND	ug/L	U
2,4,5-Trichlorophenol	95-95-4	1	1.0	2.0	ND	ug/L	U
2-Chloronaphthalene	91-58-7	1	0.2	0.4	ND	ug/L	U
2-Nitroaniline	88-74-4	1	1.0	2.0	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.2	0.4	ND	ug/L	U
Dimethylphthalate	131-11-3	1	0.2	0.4	ND	ug/L	U
2,6-Dinitrotoluene	606-20-2	1	1.0	2.0	ND	ug/L	U
Acenaphthene	83-32-9	1	0.2	0.4	ND	ug/L	U
3-Nitroaniline	99-09-2	1	1.0	2.0	ND	ug/L	U
2,4-Dinitrophenol	51-28-5	1	2.0	4.0	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.2	0.4	ND	ug/L	U
4-Nitrophenol	100-02-7	1	1.0	2.0	ND	ug/L	U
2,4-Dinitrotoluene	121-14-2	1	1.0	2.0	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Semivolatile Organic Compounds

Method: EPA 8270E

Sampled: 11/19/2025 11:00

Instrument: NT17 Analyst: AA

Analyzed: 11/28/2025 17:51

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Fluorene	86-73-7	1	0.2	0.4	ND	ug/L	U
4-Chlorophenylphenyl ether	7005-72-3	1	0.2	0.4	ND	ug/L	U
Diethyl phthalate	84-66-2	1	0.2	0.4	0.3	ug/L	J
4-Nitroaniline	100-01-6	1	1.0	2.0	ND	ug/L	U
4,6-Dinitro-2-methylphenol	534-52-1	1	2.0	4.0	ND	ug/L	U
N-Nitrosodiphenylamine	86-30-6	1	0.2	0.4	ND	ug/L	U
4-Bromophenyl phenyl ether	101-55-3	1	0.2	0.4	ND	ug/L	U
Hexachlorobenzene	118-74-1	1	0.2	0.4	ND	ug/L	U
Pentachlorophenol	87-86-5	1	1.0	2.0	ND	ug/L	U
Phenanthrene	85-01-8	1	0.2	0.4	ND	ug/L	U
Anthracene	120-12-7	1	0.2	0.4	ND	ug/L	U
Carbazole	86-74-8	1	0.2	0.4	ND	ug/L	U
Di-n-Butylphthalate	84-74-2	1	0.2	0.4	ND	ug/L	U
Fluoranthene	206-44-0	1	0.2	0.4	ND	ug/L	U
Pyrene	129-00-0	1	0.2	0.4	ND	ug/L	U
Butylbenzylphthalate	85-68-7	1	0.2	0.4	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.2	0.4	ND	ug/L	U
3,3'-Dichlorobenzidine	91-94-1	1	1.0	2.0	ND	ug/L	U
Chrysene	218-01-9	1	0.2	0.4	ND	ug/L	U
bis(2-Ethylhexyl)phthalate	117-81-7	1	0.4	0.4	0.9	ug/L	Q
Di-n-Octylphthalate	117-84-0	1	0.2	0.4	ND	ug/L	U
Benzo(a)fluoranthene, Total		1	0.4	0.8	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.2	0.4	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.4	0.4	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.2	0.4	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.2	0.4	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.2	0.4	ND	ug/L	U
2,3,4,6-Tetrachlorophenol	58-90-2	1	0.2	0.4	ND	ug/L	U
Surrogate: 2-Fluorophenol				30-160 %	35.8	%	
Surrogate: Phenol-d5				30-160 %	22.7	%	*
Surrogate: 2-Chlorophenol-d4				30-160 %	73.9	%	
Surrogate: 1,2-Dichlorobenzene-d4				30-160 %	77.8	%	
Surrogate: Nitrobenzene-d5				30-160 %	88.2	%	
Surrogate: 2-Fluorobiphenyl				30-160 %	84.2	%	
Surrogate: 2,4,6-Tribromophenol				30-160 %	76.9	%	
Surrogate: p-Terphenyl-d14				30-160 %	118	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM
Instrument: NT8 Analyst: JZ

Sampled: 11/19/2025 11:00

Analyzed: 12/04/2025 17:22

Sample Preparation: Preparation Method: EPA 3510C SepF
Preparation Batch: BNK0387
Prepared: 11/21/2025

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-04 H 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.020	0.020	0.034	ug/L	B
2-Methylnaphthalene	91-57-6	1	0.020	0.020	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.020	0.020	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.020	0.020	ND	ug/L	U
Acenaphthene	83-32-9	1	0.020	0.020	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.020	0.020	ND	ug/L	U
Fluorene	86-73-7	1	0.010	0.020	ND	ug/L	U
Phenanthrene	85-01-8	1	0.020	0.020	ND	ug/L	U
Anthracene	120-12-7	1	0.020	0.020	ND	ug/L	U
Carbazole	86-74-8	1	0.020	0.020	ND	ug/L	U
Fluoranthene	206-44-0	1	0.020	0.020	ND	ug/L	U
Pyrene	129-00-0	1	0.020	0.020	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.020	0.020	ND	ug/L	U
Chrysene	218-01-9	1	0.020	0.020	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.020	0.020	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.020	0.020	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.020	0.020	ND	ug/L	U
# Benzofluoranthenes, Total		1	0.020	0.020	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.020	0.020	ND	ug/L	U
Perylene	198-55-0	1	0.010	0.020	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.020	0.020	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.020	0.020	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.020	0.020	ND	ug/L	U

Surrogate: 2-Methylnaphthalene-d10

42-120 %

81.2 %

Surrogate: Dibenzo[a,h]anthracene-d14

29-120 %

21.8 %

*

Surrogate: Fluoranthene-d10

57-120 %

99.9 %



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Chlorinated Pesticides

Method: EPA 8081B

Sampled: 11/19/2025 11:00

Instrument: ECD9 Analyst: RKT

Analyzed: 12/01/2025 12:50

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-04 J 01

Preparation Batch: BNK0449

Sample Size: 500 mL

Prepared: 11/25/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
alpha-BHC	319-84-6	1	0.0006	0.0013	ND	ug/L	U
beta-BHC	319-85-7	1	0.0006	0.0013	ND	ug/L	U
gamma-BHC (Lindane)	58-89-9	1	0.0006	0.0013	ND	ug/L	U
delta-BHC	319-86-8	1	0.0006	0.0013	ND	ug/L	U
Heptachlor	76-44-8	1	0.0006	0.0013	ND	ug/L	U
Aldrin	309-00-2	1	0.0006	0.0013	ND	ug/L	U
Heptachlor Epoxide	1024-57-3	1	0.0006	0.0013	ND	ug/L	U
trans-Chlordane (beta/gamma-Chlordane)	5103-74-2	1	0.0006	0.0013	ND	ug/L	U
cis-Chlordane (alpha-chlordane)	5103-71-9	1	0.0006	0.0013	ND	ug/L	U
Endosulfan I	959-98-8	1	0.0006	0.0013	ND	ug/L	U
4,4'-DDE	72-55-9	1	0.0013	0.0025	ND	ug/L	U
Endrin	72-20-8	1	0.0013	0.0025	ND	ug/L	U
Endosulfan II	33213-65-9	1	0.0013	0.0025	ND	ug/L	U
4,4'-DDD	72-54-8	1	0.0013	0.0025	ND	ug/L	U
Endrin Aldehyde	7421-93-4	1	0.0013	0.0025	ND	ug/L	U
4,4'-DDT	50-29-3	1	0.0013	0.0025	ND	ug/L	U
Endosulfan Sulfate	1031-07-8	1	0.0013	0.0025	ND	ug/L	U
Endrin Ketone	53494-70-5	1	0.0013	0.0025	ND	ug/L	U
Methoxychlor	72-43-5	1	0.0063	0.0125	ND	ug/L	U
Hexachlorobutadiene	87-68-3	1	0.0013	0.0025	ND	ug/L	U
Hexachlorobenzene	118-74-1	1	0.0013	0.0025	ND	ug/L	U
Oxychlordane	27304-13-8	1	0.0025	0.0025	ND	ug/L	U
Chlordane (NOS)	57-74-9	1	0.0100	0.0100	ND	ug/L	U
Surrogate: Decachlorobiphenyl				30-160 %	25.7	%	*
Surrogate: Decachlorobiphenyl [2C]				30-160 %	30.3	%	
Surrogate: Tetrachlorometaxylene				30-160 %	61.8	%	
Surrogate: Tetrachlorometaxylene [2C]				30-160 %	66.2	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Dioxins/Furans

Method: EPA 1613B			Sampled: 11/19/2025 11:00
Instrument: AUTOSPEC01 Analyst: jgr			Analyzed: 12/12/2025 21:00
Sample Preparation:	Preparation Method: EPA 1613		Extract ID: 25K0439-04 F 01
	Preparation Batch: BNL0007		
	Sample Size: 990 mL		
	Prepared: 12/01/2025		Final Volume: 20 uL
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 25K0439-04 F 01
	Cleanup Batch: CNL0013		
	Initial Volume: 20 uL		
	Cleaned: 02-Dec-2025		Final Volume: 20 uL
Sample Cleanup:	Cleanup Method: Florisil		Extract ID:25K0439-04 F 01
	Cleanup Batch: CNL0014		
	Initial Volume: 20 uL		
	Cleaned: 02-Dec-2025		Final Volume: 20 uL

Analyte	DF/Split	Ion Ratio	Ratio Limits	Reporting		Result	Units	Notes
				EDL	Limit			
2,3,7,8-TCDF			0.655-0.886	3.43	10.1	ND	pg/L	U
2,3,7,8-TCDD			0.655-0.886	2.47	10.1	ND	pg/L	U
1,2,3,7,8-PeCDF			1.318-1.783	3.63	10.1	ND	pg/L	U
2,3,4,7,8-PeCDF			1.318-1.783	3.65	10.1	ND	pg/L	U
1,2,3,7,8-PeCDD			1.318-1.783	2.94	10.1	ND	pg/L	U
1,2,3,4,7,8-HxCDF			1.054-1.426	2.04	10.1	ND	pg/L	U
1,2,3,6,7,8-HxCDF			1.054-1.426	2.19	10.1	ND	pg/L	U
2,3,4,6,7,8-HxCDF			1.054-1.426	1.96	10.1	ND	pg/L	U
1,2,3,7,8,9-HxCDF			1.054-1.426	2.69	10.1	ND	pg/L	U
1,2,3,4,7,8-HxCDD			1.054-1.426	3.36	10.1	ND	pg/L	U
1,2,3,6,7,8-HxCDD			1.054-1.426	3.53	10.1	ND	pg/L	U
1,2,3,7,8,9-HxCDD			1.054-1.426	3.75	10.1	ND	pg/L	U
1,2,3,4,6,7,8-HpCDF			0.893-1.208	1.84	20.2	ND	pg/L	U
1,2,3,4,7,8,9-HpCDF			0.893-1.208	2.64	10.1	ND	pg/L	U
1,2,3,4,6,7,8-HpCDD			0.893-1.208	3.54	10.1	ND	pg/L	U
OCDF			0.757-1.024	3.60	20.2	ND	pg/L	U
OCDD			0.757-1.024	5.73	50.5	ND	pg/L	U

Homologue groups

Total TCDF					10.1	ND	pg/L	U
Total TCDD					10.1	ND	pg/L	U
Total PeCDF					10.1	ND	pg/L	U
Total PeCDD					10.1	ND	pg/L	U
Total HxCDF					10.1	ND	pg/L	U
Total HxCDD					10.1	ND	pg/L	U
Total HpCDF					10.1	ND	pg/L	U
Total HpCDD					10.1	ND	pg/L	U

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC): 4.50
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC): 0.00
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, EMPC = ND): 4.50
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, EMPC = ND): 0.00



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Dioxins/Furans

Method: EPA 1613B

Sampled: 11/19/2025 11:00

Instrument: AUTOSPEC01 Analyst: jgr

Analyzed: 12/12/2025 21:00

Analyte	DF/Split	Ion Ratio	Ratio Limits	Reporting Limit	Result	Units	Notes
Labeled compounds							
13C12-2,3,7,8-TCDF		0.803	0.655-0.886	24-169 %	53.7	%	
13C12-2,3,7,8-TCDD		0.753	0.655-0.886	25-164 %	76.6	%	
13C12-1,2,3,7,8-PeCDF		1.604	1.318-1.783	24-185 %	65.5	%	
13C12-2,3,4,7,8-PeCDF		1.594	1.318-1.783	21-178 %	63.9	%	
13C12-1,2,3,7,8-PeCDD		1.523	1.318-1.783	25-181 %	61.2	%	
13C12-1,2,3,4,7,8-HxCDF		0.570	0.434-0.587	26-152 %	57.4	%	
13C12-1,2,3,6,7,8-HxCDF		0.563	0.434-0.587	26-123 %	52.7	%	
13C12-2,3,4,6,7,8-HxCDF		0.545	0.434-0.587	28-136 %	55.9	%	
13C12-1,2,3,7,8,9-HxCDF		0.541	0.434-0.587	29-147 %	55.3	%	
13C12-1,2,3,4,7,8-HxCDD		1.244	1.054-1.426	32-141 %	67.5	%	
13C12-1,2,3,6,7,8-HxCDD		1.234	1.054-1.426	28-130 %	59.4	%	
13C12-1,2,3,4,6,7,8-HpCDF		0.468	0.374-0.506	28-143 %	56.2	%	
13C12-1,2,3,4,7,8,9-HpCDF		0.431	0.374-0.506	26-138 %	54.1	%	
13C12-1,2,3,4,6,7,8-HpCDD		1.070	0.893-1.208	23-140 %	64.6	%	
13C12-OCDD		0.937	0.757-1.024	17-157 %	65.0	%	
37Cl4-2,3,7,8-TCDD				35-197 %	89.3	%	



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Reported:
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SMW-5d
25K0439-04 (Water)

Dioxins/Furans

Method: EPA 1613B
Instrument: AUTOSPEC01 Analyst: jgr

Sampled: 11/19/2025 11:00
Analyzed: 12/12/2025 21:00

SMW-5d
25K0439-04 (Water)

Metals and Metallic Compounds

Method: EPA 6010D
Instrument: ICP3 Analyst: SH

Sampled: 11/19/2025 11:00
Analyzed: 12/04/2025 09:43

Sample Preparation: Preparation Method: TWC EPA 3010A
Preparation Batch: BNL0070 Sample Size: 25 mL
Prepared: 12/03/2025 Final Volume: 25 mL

Extract ID: 25K0439-04 T 01

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium	7440-70-2	1	0.0300	0.0500	26.3	mg/L	
Cobalt	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron	7439-89-6	1	0.0540	0.100	0.0904	mg/L	J
Magnesium	7439-95-4	1	0.0250	0.0500	7.15	mg/L	
Manganese	7439-96-5	1	0.0020	0.0040	0.0037	mg/L	J
Potassium	7440-09-7	1	0.250	0.500	5.35	mg/L	
Sodium	7440-23-5	1	0.250	0.500	20.4	mg/L	
Vanadium	7440-62-2	1	0.0015	0.0030	0.0427	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Metals and Metallic Compounds

Method: EPA 6020B

Sampled: 11/19/2025 11:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/02/2025 19:08

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-04 T 01

Preparation Batch: BNL0037

Sample Size: 25 mL

Prepared: 12/02/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Antimony	7440-36-0	1	0.150	0.200	0.534	ug/L	
Arsenic UCT	7440-38-2	1	0.100	0.200	9.14	ug/L	
Barium	7440-39-3	1	0.250	0.500	17.3	ug/L	
Beryllium	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT	7440-50-8	1	0.200	0.500	2.28	ug/L	
Lead	7439-92-1	1	0.100	0.200	1.13	ug/L	
Nickel UCT	7440-02-0	1	0.250	0.500	4.38	ug/L	
Selenium UCT	7782-49-2	1	0.500	1.00	ND	ug/L	U
Thallium	7440-28-0	1	0.100	0.200	ND	ug/L	U
Zinc UCT	7440-66-6	1	3.00	6.00	4.11	ug/L	J



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Metals and Metallic Compounds

Method: EPA 7470A

Sampled: 11/19/2025 11:00

Instrument: HYDRA Analyst: ML

Analyzed: 12/04/2025 14:24

Sample Preparation:

Preparation Method: TWM EPA 7470A

Extract ID: 25K0439-04 T

Preparation Batch: BNL0074

Sample Size: 20 mL

Prepared: 12/03/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 11:00

Instrument: [CALC] Analyst: CRB

Analyzed: 12/05/2025 04:07

Sample Preparation:

Preparation Method: [CALC]

Extract ID: 25K0439-04

Preparation Batch: [CALC]

Prepared: 12/04/2025

Final Volume: 1

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Nitrate-N	14797-55-8	1	0.0200	ND	mg/L	U, H



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 11:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/21/2025 12:17

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 Q

Preparation Batch: BNK0397

Sample Size: 10 mL

Prepared: 11/21/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrite-N	14797-65-0	1	0.010	0.010	ND	mg/L	H, U



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 353.2

Sampled: 11/19/2025 11:00

Instrument: LACHAT2 Analyst: GJD

Analyzed: 12/05/2025 04:07

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 S

Preparation Batch: BNL0105

Sample Size: 10 mL

Prepared: 12/04/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Nitrate + Nitrite as N		1	0.010	0.010	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 11:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 Q

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	1	2.00	2.00	25.7	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 410.4

Sampled: 11/19/2025 11:00

Instrument: UV1800-1 Analyst: KOTT

Analyzed: 11/25/2025 12:33

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 S

Preparation Batch: BNK0462

Sample Size: 2 mL

Prepared: 11/24/2025

Final Volume: 2 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
COD		1	10.0	10.0	29.4	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: EPA 9060A

Sampled: 11/19/2025 11:00

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 12/03/2025 18:49

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 S

Preparation Batch: BNL0032

Sample Size: 20 mL

Prepared: 12/01/2025

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	7.84	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 11:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 R

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	109	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	109	mg/L CaCO ₃	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: SM 2540 C-11

Sampled: 11/19/2025 11:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/25/2025 13:15

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04

Preparation Batch: BNK0464

Sample Size: 200 mL

Prepared: 11/25/2025

Final Volume: 200 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dissolved Solids		1	5	5	190	mg/L	B



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 11:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04

Preparation Batch: BNK0401

Sample Size: 770 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	7	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 11:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 11/24/2025 14:30

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 Q

Preparation Batch: BNK0433

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	1	1.00	1.00	4.21	mg/L	



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Wet Chemistry

Method: SM 4500-NH3 H-11
Instrument: LACHAT1 Analyst: CRB

Sampled: 11/19/2025 11:00

Analyzed: 12/03/2025 13:51

Sample Preparation: Preparation Method: No Prep Wet Chem
Preparation Batch: BNL0053 Sample Size: 10 mL
Prepared: 12/02/2025 Final Volume: 10 mL

Extract ID: 25K0439-04 S

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Ammonia-N	7664-41-7	1	0.040	0.040	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 11:00

Analyzed: 11/28/2025 16:49

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-04RE1 C

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	ND	ug/L	U
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	0.26	ug/L	



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 11:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 16:49

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	ND	ug/L	U
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	97.6	%	
Surrogate: Toluene-d8				80-120 %	98.2	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	99.5	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	103	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04RE1 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM

Sampled: 11/19/2025 11:00

Instrument: NT8 Analyst: JZ

Analyzed: 12/08/2025 21:29

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-04RE1 L 01

Preparation Batch: BNL0119

Sample Size: 500 mL

Prepared: 12/05/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.020	0.020	ND	ug/L	H, U
Surrogate: 2-Methylnaphthalene-d10				42-120 %	85.8	%	H
Surrogate: Dibenzo[a,h]anthracene-d14				29-120 %	35.6	%	H
Surrogate: Fluoranthene-d10				57-120 %	111	%	H



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Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04RE1 (Water)

Chlorinated Pesticides

Method: EPA 8081B

Sampled: 11/19/2025 11:00

Instrument: ECD9 Analyst: RKT

Analyzed: 12/05/2025 16:00

Sample Preparation:

Preparation Method: EPA 3510C SepF

Extract ID: 25K0439-04RE1 K 01

Preparation Batch: BNL0086

Sample Size: 500 mL

Prepared: 12/04/2025

Final Volume: 1 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
alpha-BHC	319-84-6	1	0.0006	0.0013	ND	ug/L	H, U
beta-BHC	319-85-7	1	0.0006	0.0013	ND	ug/L	H, U
gamma-BHC (Lindane)	58-89-9	1	0.0006	0.0013	ND	ug/L	H, U
delta-BHC	319-86-8	1	0.0006	0.0013	ND	ug/L	H, U
Heptachlor	76-44-8	1	0.0006	0.0013	ND	ug/L	H, U
Aldrin	309-00-2	1	0.0006	0.0013	ND	ug/L	H, U
Heptachlor Epoxide	1024-57-3	1	0.0006	0.0013	ND	ug/L	H, U
trans-Chlordane (beta/gamma-Chlordane)	5103-74-2	1	0.0006	0.0013	ND	ug/L	H, U
cis-Chlordane (alpha-chlordane)	5103-71-9	1	0.0006	0.0013	ND	ug/L	H, U
Endosulfan I	959-98-8	1	0.0006	0.0013	ND	ug/L	H, U
4,4'-DDE	72-55-9	1	0.0013	0.0025	ND	ug/L	H, U
Endrin	72-20-8	1	0.0013	0.0025	ND	ug/L	H, U
Endosulfan II	33213-65-9	1	0.0013	0.0025	ND	ug/L	H, U
4,4'-DDD	72-54-8	1	0.0013	0.0025	ND	ug/L	H, U
Endrin Aldehyde	7421-93-4	1	0.0013	0.0025	ND	ug/L	H, U
4,4'-DDT	50-29-3	1	0.0013	0.0025	ND	ug/L	H, U
Endosulfan Sulfate	1031-07-8	1	0.0013	0.0025	ND	ug/L	H, U
Endrin Ketone	53494-70-5	1	0.0013	0.0025	ND	ug/L	H, U
Methoxychlor	72-43-5	1	0.0063	0.0125	ND	ug/L	H, U
Hexachlorobutadiene	87-68-3	1	0.0013	0.0025	ND	ug/L	H, U
Hexachlorobenzene	118-74-1	1	0.0013	0.0025	ND	ug/L	H, U
Oxychlordane	27304-13-8	1	0.0025	0.0025	ND	ug/L	H, U
Chlordane (NOS)	57-74-9	1	0.0100	0.0100	ND	ug/L	H, U
Surrogate: Decachlorobiphenyl				30-160 %	21.7	%	H, P1
Surrogate: Decachlorobiphenyl [2C]				30-160 %	37.2	%	H, P1
Surrogate: Tetrachlorometaxylene				30-160 %	85.0	%	H
Surrogate: Tetrachlorometaxylene [2C]				30-160 %	77.7	%	H



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04RE1 (Water)

Metals and Metallic Compounds

Method: EPA 6020B

Sampled: 11/19/2025 11:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/02/2025 19:13

Sample Preparation:

Preparation Method: REN - EPA 3010A M

Extract ID: 25K0439-04RE1 T 01

Preparation Batch: BNL0037

Sample Size: 25 mL

Prepared: 12/02/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium	7440-47-3	5	1.88	2.50	2.94	ug/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 15:30

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 11:38

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-05 B

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	107	%	
Surrogate: Toluene-d8				80-120 %	99.3	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	102	%	



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D
Instrument: ICP3 Analyst: SH

Sampled: 11/19/2025 15:30

Analyzed: 12/09/2025 06:19

Sample Preparation: Preparation Method: WMN (No Prep) Sample Size: 25 mL
Preparation Batch: BNL0124 Final Volume: 25 mL
Prepared: 12/05/2025 Extract ID: 25K0439-05 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	78.0	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	25.7	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.79	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	26.0	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0127	mg/L	



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Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/05/2025 23:36
Sample Preparation:	Extract ID: 25K0439-05 F 02
Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix	
Preparation Batch: BNL0093	Sample Size: 25 mL
Prepared: 12/04/2025	Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	3.01	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	28.5	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.84	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	0.114	ug/L	J
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	ND	ug/L	U
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	2.20	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	53.6	ug/L	



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Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 15:30
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:28
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-05 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 15:30

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05 H

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	201	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	201	mg/L CaCO ₃	



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Wet Chemistry

Method: SM 2540 D-11
Instrument: BAL2 Analyst: RAL

Sampled: 11/19/2025 15:30

Analyzed: 11/21/2025 13:01

Sample Preparation: Preparation Method: No Prep Wet Chem
Preparation Batch: BNK0401 Sample Size: 950 mL
Prepared: 11/21/2025 Final Volume: 1000 mL

Extract ID: 25K0439-05

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 15:30

Analyzed: 11/28/2025 17:11

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-05RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.28	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	5.20	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 15:30

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 17:11

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.23	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	96.6	%	
Surrogate: Toluene-d8				80-120 %	97.5	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	99.6	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	102	%	



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Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B
Instrument: ICPMS1 Analyst: HAL
Sample Preparation: Preparation Method: REN - EPA 3010A M
Preparation Batch: BNL0193
Prepared: 12/09/2025
Sample Size: 25 mL
Final Volume: 25 mL
Extract ID: 25K0439-05RE1 F 03
Sampled: 11/19/2025 15:30
Analyzed: 12/12/2025 00:52

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 15:30

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:57

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05RE1 I

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	62.8	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 22:23
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-05RE2 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE2 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 15:30

Instrument: LACHAT2 Analyst: CRB

Analyzed: 12/08/2025 19:09

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05RE2

Preparation Batch: BNL0174

Sample Size: 10 mL

Prepared: 12/08/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	10	10.0	10.0	33.1	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 18:20
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-05RE3 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 16:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 11:58

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-06 E

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	99.4	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	103	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D

Sampled: 11/19/2025 16:00

Instrument: ICP3 Analyst: SH

Analyzed: 12/09/2025 06:22

Sample Preparation:

Preparation Method: WMN (No Prep)

Extract ID: 25K0439-06 F

Preparation Batch: BNL0124

Sample Size: 25 mL

Prepared: 12/05/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	81.5	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	26.5	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.97	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	26.9	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0126	mg/L	



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/19/2025 16:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/05/2025 23:41

Sample Preparation: Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
Preparation Batch: BNL0093 Sample Size: 25 mL
Prepared: 12/04/2025 Final Volume: 25 mL

Extract ID: 25K0439-06 F 02

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	3.08	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	28.7	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.67	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	ND	ug/L	U
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	0.324	ug/L	J
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	2.04	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	20.7	ug/L	



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Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 16:00
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:31
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-06 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 16:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06 I

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	203	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	203	mg/L CaCO ₃	



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Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 16:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06

Preparation Batch: BNK0401

Sample Size: 960 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 16:00

Analyzed: 11/28/2025 17:34

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-06RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.27	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	5.43	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 16:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 17:34

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.27	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	98.5	%	
Surrogate: Toluene-d8				80-120 %	97.1	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	102	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	101	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/12/2025 00:57
Sample Preparation:	Preparation Method: REN - EPA 3010A M
	Preparation Batch: BNL0193
	Prepared: 12/09/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE1 F 03

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 16:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:58

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE1 H

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	77.1	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 22:27
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE2 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 16:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 12/08/2025 19:13

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE2

Preparation Batch: BNL0174

Sample Size: 10 mL

Prepared: 12/08/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	10	10.0	10.0	32.7	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 20:34
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE3 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Trip Blanks
25K0439-07RE1 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 11:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 13:48

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-07RE1 A

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	106	%	
Surrogate: Toluene-d8				80-120 %	98.3	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	101	%	



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0484-BLK1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 19:47					
Chloromethane	ND	0.50	0.50	ug/L							U
Vinyl Chloride	ND	0.10	0.20	ug/L							U
Bromomethane	ND	1.00	1.00	ug/L							U
Chloroethane	ND	0.20	0.20	ug/L							U
Trichlorofluoromethane	ND	0.20	0.20	ug/L							U
Acrolein	ND	5.00	5.00	ug/L							U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.20	0.20	ug/L							U
Acetone	ND	5.00	5.00	ug/L							U
1,1-Dichloroethene	ND	0.10	0.20	ug/L							U
Iodomethane	ND	0.50	1.00	ug/L							U
Methylene Chloride	ND	1.00	1.00	ug/L							U
Acrylonitrile	ND	0.50	1.00	ug/L							U
Carbon Disulfide	ND	0.20	0.20	ug/L							U
trans-1,2-Dichloroethene	ND	0.10	0.20	ug/L							U
Vinyl Acetate	ND	0.20	0.20	ug/L							U
1,1-Dichloroethane	ND	0.10	0.20	ug/L							U
2-Butanone	ND	2.50	5.00	ug/L							U
2,2-Dichloropropane	ND	0.20	0.20	ug/L							U
cis-1,2-Dichloroethene	ND	0.10	0.20	ug/L							U
Chloroform	ND	0.10	0.20	ug/L							U
Bromochloromethane	ND	0.10	0.20	ug/L							U
1,1,1-Trichloroethane	ND	0.10	0.20	ug/L							U
1,1-Dichloropropene	ND	0.10	0.20	ug/L							U
Carbon tetrachloride	ND	0.10	0.20	ug/L							U
1,2-Dichloroethane	ND	0.10	0.20	ug/L							U
Benzene	ND	0.10	0.20	ug/L							U
Trichloroethene	ND	0.10	0.20	ug/L							U
1,2-Dichloropropane	ND	0.10	0.20	ug/L							U
Bromodichloromethane	ND	0.10	0.20	ug/L							U
Dibromomethane	ND	0.10	0.20	ug/L							U
2-Chloroethyl vinyl ether	ND	1.00	1.00	ug/L							U
4-Methyl-2-Pentanone	ND	2.50	5.00	ug/L							U
cis-1,3-Dichloropropene	ND	0.10	0.20	ug/L							U
Toluene	ND	0.10	0.20	ug/L							U
trans-1,3-Dichloropropene	ND	0.10	0.20	ug/L							U
2-Hexanone	ND	2.50	5.00	ug/L							U
1,1,2-Trichloroethane	ND	0.20	0.20	ug/L							U
1,3-Dichloropropane	ND	0.10	0.20	ug/L							U
Tetrachloroethene	ND	0.10	0.20	ug/L							U
Dibromochloromethane	ND	0.10	0.20	ug/L							U
1,2-Dibromoethane	ND	0.10	0.20	ug/L							U



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Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0484-BLK1)											
Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 19:47											
Chlorobenzene	ND	0.10	0.20	ug/L							U
Ethylbenzene	ND	0.10	0.20	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.10	0.20	ug/L							U
m,p-Xylene	ND	0.20	0.40	ug/L							U
o-Xylene	ND	0.10	0.20	ug/L							U
Xylenes, total	ND	0.30	0.60	ug/L							U
Styrene	ND	0.10	0.20	ug/L							U
Bromoform	ND	0.20	0.20	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.20	0.20	ug/L							U
1,2,3-Trichloropropane	ND	0.25	0.50	ug/L							U
trans-1,4-Dichloro 2-Butene	ND	1.00	1.00	ug/L							U
n-Propylbenzene	ND	0.10	0.20	ug/L							U
Bromobenzene	ND	0.10	0.20	ug/L							U
Isopropyl Benzene	ND	0.10	0.20	ug/L							U
2-Chlorotoluene	ND	0.10	0.20	ug/L							U
4-Chlorotoluene	ND	0.10	0.20	ug/L							U
t-Butylbenzene	ND	0.10	0.20	ug/L							U
1,3,5-Trimethylbenzene	ND	0.10	0.20	ug/L							U
1,2,4-Trimethylbenzene	ND	0.10	0.20	ug/L							U
s-Butylbenzene	ND	0.10	0.20	ug/L							U
4-Isopropyl Toluene	ND	0.10	0.20	ug/L							U
1,3-Dichlorobenzene	ND	0.10	0.20	ug/L							U
1,4-Dichlorobenzene	ND	0.20	0.20	ug/L							U
n-Butylbenzene	ND	0.20	0.20	ug/L							U
1,2-Dichlorobenzene	ND	0.10	0.20	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.25	0.50	ug/L							U
Hexachloro-1,3-Butadiene	ND	0.50	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
Dichlorodifluoromethane	ND	0.20	0.20	ug/L							U
Methyl tert-butyl Ether	ND	0.25	0.50	ug/L							U
2-Pentanone	ND	2.50	5.00	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	6.31			ug/L	6.25		101	80-129			
Surrogate: Toluene-d8	6.26			ug/L	6.25		100	80-120			
Surrogate: 4-Bromofluorobenzene	6.09			ug/L	6.25		97.5	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	5.08			ug/L	5.00		102	80-120			
LCS (BNK0484-BS1)											
Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 18:37											
Chloromethane	9.03	0.50	0.50	ug/L	10.0		90.3	60-138			
Vinyl Chloride	10.9	0.10	0.20	ug/L	10.0		109	66-133			
Bromomethane	10.7	1.00	1.00	ug/L	10.0		107	72-131			



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Reported:
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Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0484-BS1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 18:37					
Chloroethane	10.1	0.20	0.20	ug/L	10.0		101	60-155			
Trichlorofluoromethane	10.7	0.20	0.20	ug/L	10.0		107	62-141			
Acrolein	122	5.00	5.00	ug/L	50.0		244	52-190			*, Q
1,1,2-Trichloro-1,2,2-Trifluoroethane	11.3	0.20	0.20	ug/L	10.0		113	76-129			
Acetone	49.2	5.00	5.00	ug/L	50.0		98.3	58-142			
1,1-Dichloroethene	10.5	0.10	0.20	ug/L	10.0		105	69-135			
Iodomethane	10.1	0.50	1.00	ug/L	10.0		101	56-147			
Methylene Chloride	9.53	1.00	1.00	ug/L	10.0		95.3	65-135			
Acrylonitrile	9.94	0.50	1.00	ug/L	10.0		99.4	64-134			
Carbon Disulfide	10.3	0.20	0.20	ug/L	10.0		103	78-125			
trans-1,2-Dichloroethene	9.73	0.10	0.20	ug/L	10.0		97.3	78-128			
Vinyl Acetate	9.78	0.20	0.20	ug/L	10.0		97.8	55-138			
1,1-Dichloroethane	10.4	0.10	0.20	ug/L	10.0		104	76-124			
2-Butanone	49.9	2.50	5.00	ug/L	50.0		99.9	61-140			
2,2-Dichloropropane	11.3	0.20	0.20	ug/L	10.0		113	66-147			
cis-1,2-Dichloroethene	9.99	0.10	0.20	ug/L	10.0		99.9	80-121			
Chloroform	10.0	0.10	0.20	ug/L	10.0		100	80-122			
Bromochloromethane	9.93	0.10	0.20	ug/L	10.0		99.3	80-121			
1,1,1-Trichloroethane	10.1	0.10	0.20	ug/L	10.0		101	79-123			
1,1-Dichloropropene	10.4	0.10	0.20	ug/L	10.0		104	80-127			
Carbon tetrachloride	10.1	0.10	0.20	ug/L	10.0		101	53-137			
1,2-Dichloroethane	10.2	0.10	0.20	ug/L	10.0		102	75-123			
Benzene	9.95	0.10	0.20	ug/L	10.0		99.5	80-120			
Trichloroethene	10.3	0.10	0.20	ug/L	10.0		103	80-120			
1,2-Dichloropropane	10.3	0.10	0.20	ug/L	10.0		103	80-120			
Bromodichloromethane	9.63	0.10	0.20	ug/L	10.0		96.3	80-121			
Dibromomethane	9.97	0.10	0.20	ug/L	10.0		99.7	80-120			
2-Chloroethyl vinyl ether	10.2	1.00	1.00	ug/L	10.0		102	64-120			
4-Methyl-2-Pentanone	51.3	2.50	5.00	ug/L	50.0		103	67-133			
cis-1,3-Dichloropropene	10.1	0.10	0.20	ug/L	10.0		101	80-124			
Toluene	9.90	0.10	0.20	ug/L	10.0		99.0	80-120			
trans-1,3-Dichloropropene	10.0	0.10	0.20	ug/L	10.0		100	71-127			
2-Hexanone	53.5	2.50	5.00	ug/L	50.0		107	69-133			
1,1,2-Trichloroethane	9.78	0.20	0.20	ug/L	10.0		97.8	80-121			
1,3-Dichloropropane	10.6	0.10	0.20	ug/L	10.0		106	80-120			
Tetrachloroethene	10.8	0.10	0.20	ug/L	10.0		108	80-120			
Dibromochloromethane	10.5	0.10	0.20	ug/L	10.0		105	65-135			
1,2-Dibromoethane	10.0	0.10	0.20	ug/L	10.0		100	80-121			
Chlorobenzene	10.6	0.10	0.20	ug/L	10.0		106	80-120			
Ethylbenzene	10.6	0.10	0.20	ug/L	10.0		106	80-120			
1,1,1,2-Tetrachloroethane	10.4	0.10	0.20	ug/L	10.0		104	80-120			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0484-BS1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 18:37					
m,p-Xylene	21.0	0.20	0.40	ug/L	20.0		105	80-121			
o-Xylene	10.6	0.10	0.20	ug/L	10.0		106	80-121			
Xylenes, total	31.6	0.30	0.60	ug/L	30.0		105	76-127			
Styrene	10.4	0.10	0.20	ug/L	10.0		104	80-124			
Bromoform	11.1	0.20	0.20	ug/L	10.0		111	51-134			
1,1,2,2-Tetrachloroethane	10.8	0.20	0.20	ug/L	10.0		108	77-123			
1,2,3-Trichloropropane	11.9	0.25	0.50	ug/L	10.0		119	76-125			
trans-1,4-Dichloro 2-Butene	11.4	1.00	1.00	ug/L	10.0		114	55-129			
n-Propylbenzene	11.5	0.10	0.20	ug/L	10.0		115	78-130			
Bromobenzene	11.5	0.10	0.20	ug/L	10.0		115	80-120			
Isopropyl Benzene	11.3	0.10	0.20	ug/L	10.0		113	80-128			
2-Chlorotoluene	11.9	0.10	0.20	ug/L	10.0		119	78-122			
4-Chlorotoluene	11.5	0.10	0.20	ug/L	10.0		115	80-121			
t-Butylbenzene	11.3	0.10	0.20	ug/L	10.0		113	78-125			
1,3,5-Trimethylbenzene	11.5	0.10	0.20	ug/L	10.0		115	80-129			
1,2,4-Trimethylbenzene	11.4	0.10	0.20	ug/L	10.0		114	80-127			
s-Butylbenzene	11.4	0.10	0.20	ug/L	10.0		114	78-129			
4-Isopropyl Toluene	11.5	0.10	0.20	ug/L	10.0		115	79-130			
1,3-Dichlorobenzene	11.4	0.10	0.20	ug/L	10.0		114	80-120			
1,4-Dichlorobenzene	11.3	0.20	0.20	ug/L	10.0		113	80-120			
n-Butylbenzene	11.5	0.20	0.20	ug/L	10.0		115	74-129			
1,2-Dichlorobenzene	11.1	0.10	0.20	ug/L	10.0		111	80-120			
1,2-Dibromo-3-chloropropane	11.5	0.50	0.50	ug/L	10.0		115	62-123			
1,2,4-Trichlorobenzene	11.3	0.25	0.50	ug/L	10.0		113	64-124			
Hexachloro-1,3-Butadiene	12.1	0.50	0.50	ug/L	10.0		121	65-145			
Naphthalene	10.4	0.50	0.50	ug/L	10.0		104	50-134			Q
1,2,3-Trichlorobenzene	11.2	0.50	0.50	ug/L	10.0		112	49-133			
Dichlorodifluoromethane	9.32	0.20	0.20	ug/L	10.0		93.2	48-147			
Methyl tert-butyl Ether	10.1	0.25	0.50	ug/L	10.0		101	71-132			
2-Pentanone	47.9	2.50	5.00	ug/L	50.0		95.9	69-134			
Surrogate: 1,2-Dichloroethane-d4	6.21			ug/L	6.25		99.3	80-129			
Surrogate: Toluene-d8	6.18			ug/L	6.25		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	6.21			ug/L	6.25		99.4	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	5.24			ug/L	5.00		105	80-120			
LCS Dup (BNK0484-BSD1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 19:00					
Chloromethane	8.87	0.50	0.50	ug/L	10.0		88.7	60-138	1.73	30	
Vinyl Chloride	10.5	0.10	0.20	ug/L	10.0		105	66-133	3.97	30	
Bromomethane	10.4	1.00	1.00	ug/L	10.0		104	72-131	2.84	30	
Chloroethane	9.77	0.20	0.20	ug/L	10.0		97.7	60-155	3.00	30	
Trichlorofluoromethane	10.3	0.20	0.20	ug/L	10.0		103	62-141	4.24	30	
Acrolein	128	5.00	5.00	ug/L	50.0		256	52-190	4.68	30	*, Q



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BNK0484-BSD1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 19:00					
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.6	0.20	0.20	ug/L	10.0		106	76-129	6.48	30	
Acetone	47.7	5.00	5.00	ug/L	50.0		95.4	58-142	3.03	30	
1,1-Dichloroethene	10.1	0.10	0.20	ug/L	10.0		101	69-135	3.61	30	
Iodomethane	10.1	0.50	1.00	ug/L	10.0		101	56-147	0.41	30	
Methylene Chloride	9.48	1.00	1.00	ug/L	10.0		94.8	65-135	0.52	30	
Acrylonitrile	10.1	0.50	1.00	ug/L	10.0		101	64-134	1.70	30	
Carbon Disulfide	10.1	0.20	0.20	ug/L	10.0		101	78-125	2.43	30	
trans-1,2-Dichloroethene	9.46	0.10	0.20	ug/L	10.0		94.6	78-128	2.85	30	
Vinyl Acetate	9.98	0.20	0.20	ug/L	10.0		99.8	55-138	2.00	30	
1,1-Dichloroethane	10.2	0.10	0.20	ug/L	10.0		102	76-124	1.68	30	
2-Butanone	50.1	2.50	5.00	ug/L	50.0		100	61-140	0.25	30	
2,2-Dichloropropane	9.53	0.20	0.20	ug/L	10.0		95.3	66-147	17.20	30	
cis-1,2-Dichloroethene	9.76	0.10	0.20	ug/L	10.0		97.6	80-121	2.29	30	
Chloroform	9.90	0.10	0.20	ug/L	10.0		99.0	80-122	1.53	30	
Bromochloromethane	10.2	0.10	0.20	ug/L	10.0		102	80-121	2.60	30	
1,1,1-Trichloroethane	9.75	0.10	0.20	ug/L	10.0		97.5	79-123	3.50	30	
1,1-Dichloropropene	9.83	0.10	0.20	ug/L	10.0		98.3	80-127	5.15	30	
Carbon tetrachloride	9.50	0.10	0.20	ug/L	10.0		95.0	53-137	6.03	30	
1,2-Dichloroethane	9.90	0.10	0.20	ug/L	10.0		99.0	75-123	2.97	30	
Benzene	9.75	0.10	0.20	ug/L	10.0		97.5	80-120	2.02	30	
Trichloroethene	9.79	0.10	0.20	ug/L	10.0		97.9	80-120	4.69	30	
1,2-Dichloropropane	9.93	0.10	0.20	ug/L	10.0		99.3	80-120	3.54	30	
Bromodichloromethane	9.78	0.10	0.20	ug/L	10.0		97.8	80-121	1.53	30	
Dibromomethane	9.85	0.10	0.20	ug/L	10.0		98.5	80-120	1.26	30	
2-Chloroethyl vinyl ether	9.93	1.00	1.00	ug/L	10.0		99.3	64-120	2.77	30	
4-Methyl-2-Pentanone	49.7	2.50	5.00	ug/L	50.0		99.4	67-133	3.25	30	
cis-1,3-Dichloropropene	9.92	0.10	0.20	ug/L	10.0		99.2	80-124	1.79	30	
Toluene	9.41	0.10	0.20	ug/L	10.0		94.1	80-120	5.00	30	
trans-1,3-Dichloropropene	9.90	0.10	0.20	ug/L	10.0		99.0	71-127	1.43	30	
2-Hexanone	50.3	2.50	5.00	ug/L	50.0		101	69-133	6.08	30	
1,1,2-Trichloroethane	9.65	0.20	0.20	ug/L	10.0		96.5	80-121	1.42	30	
1,3-Dichloropropane	10.2	0.10	0.20	ug/L	10.0		102	80-120	4.21	30	
Tetrachloroethene	9.95	0.10	0.20	ug/L	10.0		99.5	80-120	8.36	30	
Dibromochloromethane	9.89	0.10	0.20	ug/L	10.0		98.9	65-135	5.58	30	
1,2-Dibromoethane	10.0	0.10	0.20	ug/L	10.0		100	80-121	0.07	30	
Chlorobenzene	9.82	0.10	0.20	ug/L	10.0		98.2	80-120	7.57	30	
Ethylbenzene	9.67	0.10	0.20	ug/L	10.0		96.7	80-120	8.72	30	
1,1,1,2-Tetrachloroethane	9.81	0.10	0.20	ug/L	10.0		98.1	80-120	5.69	30	
m,p-Xylene	19.4	0.20	0.40	ug/L	20.0		97.2	80-121	7.72	30	
o-Xylene	9.74	0.10	0.20	ug/L	10.0		97.4	80-121	8.07	30	
Xylenes, total	29.2	0.30	0.60	ug/L	30.0		97.3	76-127	7.83	30	



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1601 5th Avenue Suite 800
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0484 - EPA 8260D in Water

Instrument: NT20 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BNK0484-BSD1)						Prepared: 26-Nov-2025 Analyzed: 26-Nov-2025 19:00					
Styrene	9.89	0.10	0.20	ug/L	10.0		98.9	80-124	5.02	30	
Bromoform	9.92	0.20	0.20	ug/L	10.0		99.2	51-134	11.50	30	
1,1,2,2-Tetrachloroethane	9.51	0.20	0.20	ug/L	10.0		95.1	77-123	12.30	30	
1,2,3-Trichloropropane	10.0	0.25	0.50	ug/L	10.0		100	76-125	17.40	30	
trans-1,4-Dichloro 2-Butene	10.1	1.00	1.00	ug/L	10.0		101	55-129	12.40	30	
n-Propylbenzene	9.69	0.10	0.20	ug/L	10.0		96.9	78-130	17.20	30	
Bromobenzene	9.98	0.10	0.20	ug/L	10.0		99.8	80-120	13.80	30	
Isopropyl Benzene	9.52	0.10	0.20	ug/L	10.0		95.2	80-128	17.10	30	
2-Chlorotoluene	9.68	0.10	0.20	ug/L	10.0		96.8	78-122	20.40	30	
4-Chlorotoluene	9.64	0.10	0.20	ug/L	10.0		96.4	80-121	17.50	30	
t-Butylbenzene	9.51	0.10	0.20	ug/L	10.0		95.1	78-125	17.30	30	
1,3,5-Trimethylbenzene	9.68	0.10	0.20	ug/L	10.0		96.8	80-129	16.80	30	
1,2,4-Trimethylbenzene	9.72	0.10	0.20	ug/L	10.0		97.2	80-127	15.50	30	
s-Butylbenzene	9.62	0.10	0.20	ug/L	10.0		96.2	78-129	16.80	30	
4-Isopropyl Toluene	9.80	0.10	0.20	ug/L	10.0		98.0	79-130	16.30	30	
1,3-Dichlorobenzene	9.82	0.10	0.20	ug/L	10.0		98.2	80-120	14.70	30	
1,4-Dichlorobenzene	9.69	0.20	0.20	ug/L	10.0		96.9	80-120	15.10	30	
n-Butylbenzene	9.75	0.20	0.20	ug/L	10.0		97.5	74-129	16.30	30	
1,2-Dichlorobenzene	9.53	0.10	0.20	ug/L	10.0		95.3	80-120	15.00	30	
1,2-Dibromo-3-chloropropane	10.8	0.50	0.50	ug/L	10.0		108	62-123	5.65	30	
1,2,4-Trichlorobenzene	9.81	0.25	0.50	ug/L	10.0		98.1	64-124	14.20	30	
Hexachloro-1,3-Butadiene	10.2	0.50	0.50	ug/L	10.0		102	65-145	16.60	30	
Naphthalene	9.27	0.50	0.50	ug/L	10.0		92.7	50-134	11.60	30	Q
1,2,3-Trichlorobenzene	9.67	0.50	0.50	ug/L	10.0		96.7	49-133	14.40	30	
Dichlorodifluoromethane	8.85	0.20	0.20	ug/L	10.0		88.5	48-147	5.18	30	
Methyl tert-butyl Ether	9.94	0.25	0.50	ug/L	10.0		99.4	71-132	1.35	30	
2-Pentanone	47.8	2.50	5.00	ug/L	50.0		95.5	69-134	0.38	30	
Surrogate: 1,2-Dichloroethane-d4	6.37			ug/L	6.25		102	80-129			
Surrogate: Toluene-d8	6.28			ug/L	6.25		100	80-120			
Surrogate: 4-Bromofluorobenzene	6.27			ug/L	6.25		100	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	4.91			ug/L	5.00		98.2	80-120			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0497-BLK1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 09:33					
Chloromethane	ND	0.50	0.50	ug/L							U
Vinyl Chloride	ND	0.10	0.20	ug/L							U
Bromomethane	ND	1.00	1.00	ug/L							U
Chloroethane	ND	0.20	0.20	ug/L							U
Trichlorofluoromethane	ND	0.20	0.20	ug/L							U
Acrolein	ND	5.00	5.00	ug/L							U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.20	0.20	ug/L							U
Acetone	ND	5.00	5.00	ug/L							U
1,1-Dichloroethene	ND	0.10	0.20	ug/L							U
Iodomethane	ND	0.50	1.00	ug/L							U
Methylene Chloride	ND	1.00	1.00	ug/L							U
Acrylonitrile	ND	0.50	1.00	ug/L							U
Carbon Disulfide	ND	0.20	0.20	ug/L							U
trans-1,2-Dichloroethene	ND	0.10	0.20	ug/L							U
Vinyl Acetate	ND	0.20	0.20	ug/L							U
1,1-Dichloroethane	ND	0.10	0.20	ug/L							U
2-Butanone	ND	2.50	5.00	ug/L							U
2,2-Dichloropropane	ND	0.20	0.20	ug/L							U
cis-1,2-Dichloroethene	ND	0.10	0.20	ug/L							U
Chloroform	ND	0.10	0.20	ug/L							U
Bromochloromethane	ND	0.10	0.20	ug/L							U
1,1,1-Trichloroethane	ND	0.10	0.20	ug/L							U
1,1-Dichloropropene	ND	0.10	0.20	ug/L							U
Carbon tetrachloride	ND	0.10	0.20	ug/L							U
1,2-Dichloroethane	ND	0.10	0.20	ug/L							U
Benzene	ND	0.10	0.20	ug/L							U
Trichloroethene	ND	0.10	0.20	ug/L							U
1,2-Dichloropropane	ND	0.10	0.20	ug/L							U
Bromodichloromethane	ND	0.10	0.20	ug/L							U
Dibromomethane	ND	0.10	0.20	ug/L							U
2-Chloroethyl vinyl ether	ND	1.00	1.00	ug/L							U
4-Methyl-2-Pentanone	ND	2.50	5.00	ug/L							U
cis-1,3-Dichloropropene	ND	0.10	0.20	ug/L							U
Toluene	ND	0.10	0.20	ug/L							U
trans-1,3-Dichloropropene	ND	0.10	0.20	ug/L							U
2-Hexanone	ND	2.50	5.00	ug/L							U
1,1,2-Trichloroethane	ND	0.20	0.20	ug/L							U
1,3-Dichloropropane	ND	0.10	0.20	ug/L							U
Tetrachloroethene	ND	0.10	0.20	ug/L							U
Dibromochloromethane	ND	0.10	0.20	ug/L							U
1,2-Dibromoethane	ND	0.10	0.20	ug/L							U



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Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0497-BLK1)											
						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 09:33					
Chlorobenzene	ND	0.10	0.20	ug/L							U
Ethylbenzene	ND	0.10	0.20	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.10	0.20	ug/L							U
m,p-Xylene	ND	0.20	0.40	ug/L							U
o-Xylene	ND	0.10	0.20	ug/L							U
Xylenes, total	ND	0.30	0.60	ug/L							U
Styrene	ND	0.10	0.20	ug/L							U
Bromoform	ND	0.20	0.20	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.20	0.20	ug/L							U
1,2,3-Trichloropropane	ND	0.25	0.50	ug/L							U
trans-1,4-Dichloro 2-Butene	ND	1.00	1.00	ug/L							U
n-Propylbenzene	ND	0.10	0.20	ug/L							U
Bromobenzene	ND	0.10	0.20	ug/L							U
Isopropyl Benzene	ND	0.10	0.20	ug/L							U
2-Chlorotoluene	ND	0.10	0.20	ug/L							U
4-Chlorotoluene	ND	0.10	0.20	ug/L							U
t-Butylbenzene	ND	0.10	0.20	ug/L							U
1,3,5-Trimethylbenzene	ND	0.10	0.20	ug/L							U
1,2,4-Trimethylbenzene	ND	0.10	0.20	ug/L							U
s-Butylbenzene	ND	0.10	0.20	ug/L							U
4-Isopropyl Toluene	ND	0.10	0.20	ug/L							U
1,3-Dichlorobenzene	ND	0.10	0.20	ug/L							U
1,4-Dichlorobenzene	ND	0.20	0.20	ug/L							U
n-Butylbenzene	ND	0.20	0.20	ug/L							U
1,2-Dichlorobenzene	ND	0.10	0.20	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.25	0.50	ug/L							U
Hexachloro-1,3-Butadiene	ND	0.50	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
Dichlorodifluoromethane	ND	0.20	0.20	ug/L							U
Methyl tert-butyl Ether	ND	0.25	0.50	ug/L							U
2-Pentanone	ND	2.50	5.00	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	6.06			ug/L	6.25		97.0	80-129			
Surrogate: Toluene-d8	6.12			ug/L	6.25		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	6.31			ug/L	6.25		101	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	5.00			ug/L	5.00		100	80-120			
LCS (BNK0497-BS1)											
						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:05					
Chloromethane	9.22	0.50	0.50	ug/L	10.0		92.2	60-138			
Vinyl Chloride	10.7	0.10	0.20	ug/L	10.0		107	66-133			
Bromomethane	10.1	1.00	1.00	ug/L	10.0		101	72-131			



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0497-BS1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:05					
Chloroethane	11.0	0.20	0.20	ug/L	10.0		110	60-155			
Trichlorofluoromethane	10.7	0.20	0.20	ug/L	10.0		107	62-141			
Acrolein	46.9	5.00	5.00	ug/L	50.0		93.9	52-190			
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.2	0.20	0.20	ug/L	10.0		102	76-129			
Acetone	45.1	5.00	5.00	ug/L	50.0		90.2	58-142			
1,1-Dichloroethene	10.1	0.10	0.20	ug/L	10.0		101	69-135			
Iodomethane	9.90	0.50	1.00	ug/L	10.0		99.0	56-147			
Methylene Chloride	9.52	1.00	1.00	ug/L	10.0		95.2	65-135			
Acrylonitrile	9.22	0.50	1.00	ug/L	10.0		92.2	64-134			
Carbon Disulfide	10.6	0.20	0.20	ug/L	10.0		106	78-125			
trans-1,2-Dichloroethene	9.92	0.10	0.20	ug/L	10.0		99.2	78-128			
Vinyl Acetate	10.3	0.20	0.20	ug/L	10.0		103	55-138			
1,1-Dichloroethane	9.91	0.10	0.20	ug/L	10.0		99.1	76-124			
2-Butanone	46.2	2.50	5.00	ug/L	50.0		92.4	61-140			
2,2-Dichloropropane	10.9	0.20	0.20	ug/L	10.0		109	66-147			
cis-1,2-Dichloroethene	10.3	0.10	0.20	ug/L	10.0		103	80-121			
Chloroform	10.5	0.10	0.20	ug/L	10.0		105	80-122			
Bromochloromethane	9.99	0.10	0.20	ug/L	10.0		99.9	80-121			
1,1,1-Trichloroethane	10.4	0.10	0.20	ug/L	10.0		104	79-123			
1,1-Dichloropropene	10.9	0.10	0.20	ug/L	10.0		109	80-127			
Carbon tetrachloride	10.7	0.10	0.20	ug/L	10.0		107	53-137			
1,2-Dichloroethane	10.6	0.10	0.20	ug/L	10.0		106	75-123			
Benzene	10.9	0.10	0.20	ug/L	10.0		109	80-120			
Trichloroethene	10.5	0.10	0.20	ug/L	10.0		105	80-120			
1,2-Dichloropropane	10.2	0.10	0.20	ug/L	10.0		102	80-120			
Bromodichloromethane	10.6	0.10	0.20	ug/L	10.0		106	80-121			
Dibromomethane	10.3	0.10	0.20	ug/L	10.0		103	80-120			
2-Chloroethyl vinyl ether	10.6	1.00	1.00	ug/L	10.0		106	64-120			
4-Methyl-2-Pentanone	52.7	2.50	5.00	ug/L	50.0		105	67-133			
cis-1,3-Dichloropropene	11.2	0.10	0.20	ug/L	10.0		112	80-124			
Toluene	10.6	0.10	0.20	ug/L	10.0		106	80-120			
trans-1,3-Dichloropropene	11.3	0.10	0.20	ug/L	10.0		113	71-127			
2-Hexanone	53.0	2.50	5.00	ug/L	50.0		106	69-133			
1,1,2-Trichloroethane	10.8	0.20	0.20	ug/L	10.0		108	80-121			
1,3-Dichloropropane	11.0	0.10	0.20	ug/L	10.0		110	80-120			
Tetrachloroethene	11.0	0.10	0.20	ug/L	10.0		110	80-120			
Dibromochloromethane	11.2	0.10	0.20	ug/L	10.0		112	65-135			
1,2-Dibromoethane	10.8	0.10	0.20	ug/L	10.0		108	80-121			
Chlorobenzene	10.9	0.10	0.20	ug/L	10.0		109	80-120			
Ethylbenzene	11.1	0.10	0.20	ug/L	10.0		111	80-120			
1,1,1,2-Tetrachloroethane	10.8	0.10	0.20	ug/L	10.0		108	80-120			



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0497-BS1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:05					
m,p-Xylene	22.7	0.20	0.40	ug/L	20.0		113	80-121			
o-Xylene	11.2	0.10	0.20	ug/L	10.0		112	80-121			
Xylenes, total	33.9	0.30	0.60	ug/L	30.0		113	76-127			
Styrene	11.6	0.10	0.20	ug/L	10.0		116	80-124			
Bromoform	12.2	0.20	0.20	ug/L	10.0		122	51-134			Q
1,1,2,2-Tetrachloroethane	11.1	0.20	0.20	ug/L	10.0		111	77-123			
1,2,3-Trichloropropane	11.1	0.25	0.50	ug/L	10.0		111	76-125			
trans-1,4-Dichloro 2-Butene	10.9	1.00	1.00	ug/L	10.0		109	55-129			
n-Propylbenzene	12.0	0.10	0.20	ug/L	10.0		120	78-130			
Bromobenzene	11.2	0.10	0.20	ug/L	10.0		112	80-120			
Isopropyl Benzene	12.1	0.10	0.20	ug/L	10.0		121	80-128			Q
2-Chlorotoluene	10.9	0.10	0.20	ug/L	10.0		109	78-122			
4-Chlorotoluene	10.9	0.10	0.20	ug/L	10.0		109	80-121			
t-Butylbenzene	11.6	0.10	0.20	ug/L	10.0		116	78-125			
1,3,5-Trimethylbenzene	12.1	0.10	0.20	ug/L	10.0		121	80-129			Q
1,2,4-Trimethylbenzene	12.1	0.10	0.20	ug/L	10.0		121	80-127			Q
s-Butylbenzene	11.6	0.10	0.20	ug/L	10.0		116	78-129			
4-Isopropyl Toluene	11.8	0.10	0.20	ug/L	10.0		118	79-130			
1,3-Dichlorobenzene	11.3	0.10	0.20	ug/L	10.0		113	80-120			
1,4-Dichlorobenzene	11.0	0.20	0.20	ug/L	10.0		110	80-120			
n-Butylbenzene	11.9	0.20	0.20	ug/L	10.0		119	74-129			
1,2-Dichlorobenzene	11.0	0.10	0.20	ug/L	10.0		110	80-120			
1,2-Dibromo-3-chloropropane	11.3	0.50	0.50	ug/L	10.0		113	62-123			
1,2,4-Trichlorobenzene	11.7	0.25	0.50	ug/L	10.0		117	64-124			
Hexachloro-1,3-Butadiene	11.8	0.50	0.50	ug/L	10.0		118	65-145			
Naphthalene	11.7	0.50	0.50	ug/L	10.0		117	50-134			
1,2,3-Trichlorobenzene	11.6	0.50	0.50	ug/L	10.0		116	49-133			
Dichlorodifluoromethane	9.28	0.20	0.20	ug/L	10.0		92.8	48-147			
Methyl tert-butyl Ether	10.6	0.25	0.50	ug/L	10.0		106	71-132			
2-Pentanone	53.6	2.50	5.00	ug/L	50.0		107	69-134			
Surrogate: 1,2-Dichloroethane-d4	6.12			ug/L	6.25		98.0	80-129			
Surrogate: Toluene-d8	6.29			ug/L	6.25		101	80-120			
Surrogate: 4-Bromofluorobenzene	6.50			ug/L	6.25		104	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	4.98			ug/L	5.00		99.5	80-120			
LCS Dup (BNK0497-BS1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:49					
Chloromethane	10.3	0.50	0.50	ug/L	10.0		103	60-138	11.40	30	
Vinyl Chloride	11.1	0.10	0.20	ug/L	10.0		111	66-133	3.13	30	
Bromomethane	10.6	1.00	1.00	ug/L	10.0		106	72-131	4.50	30	
Chloroethane	11.3	0.20	0.20	ug/L	10.0		113	60-155	2.47	30	
Trichlorofluoromethane	11.6	0.20	0.20	ug/L	10.0		116	62-141	8.15	30	
Acrolein	48.0	5.00	5.00	ug/L	50.0		96.1	52-190	2.32	30	



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1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BNK0497-BSD1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:49					
1,1,2-Trichloro-1,2,2-Trifluoroethane	10.7	0.20	0.20	ug/L	10.0		107	76-129	4.78	30	
Acetone	46.3	5.00	5.00	ug/L	50.0		92.6	58-142	2.61	30	
1,1-Dichloroethene	10.5	0.10	0.20	ug/L	10.0		105	69-135	3.92	30	
Iodomethane	10.3	0.50	1.00	ug/L	10.0		103	56-147	4.22	30	
Methylene Chloride	9.61	1.00	1.00	ug/L	10.0		96.1	65-135	0.95	30	
Acrylonitrile	9.80	0.50	1.00	ug/L	10.0		98.0	64-134	6.17	30	
Carbon Disulfide	11.2	0.20	0.20	ug/L	10.0		112	78-125	5.20	30	
trans-1,2-Dichloroethene	10.5	0.10	0.20	ug/L	10.0		105	78-128	5.28	30	
Vinyl Acetate	10.6	0.20	0.20	ug/L	10.0		106	55-138	3.57	30	
1,1-Dichloroethane	10.5	0.10	0.20	ug/L	10.0		105	76-124	5.44	30	
2-Butanone	50.5	2.50	5.00	ug/L	50.0		101	61-140	8.87	30	
2,2-Dichloropropane	11.0	0.20	0.20	ug/L	10.0		110	66-147	0.94	30	
cis-1,2-Dichloroethene	10.8	0.10	0.20	ug/L	10.0		108	80-121	5.34	30	
Chloroform	10.9	0.10	0.20	ug/L	10.0		109	80-122	3.33	30	
Bromochloromethane	10.7	0.10	0.20	ug/L	10.0		107	80-121	7.04	30	
1,1,1-Trichloroethane	11.0	0.10	0.20	ug/L	10.0		110	79-123	5.20	30	
1,1-Dichloropropene	11.5	0.10	0.20	ug/L	10.0		115	80-127	5.68	30	
Carbon tetrachloride	11.5	0.10	0.20	ug/L	10.0		115	53-137	7.56	30	
1,2-Dichloroethane	11.2	0.10	0.20	ug/L	10.0		112	75-123	5.68	30	
Benzene	11.3	0.10	0.20	ug/L	10.0		113	80-120	3.97	30	
Trichloroethene	11.0	0.10	0.20	ug/L	10.0		110	80-120	4.67	30	
1,2-Dichloropropane	10.8	0.10	0.20	ug/L	10.0		108	80-120	6.22	30	
Bromodichloromethane	11.2	0.10	0.20	ug/L	10.0		112	80-121	5.66	30	
Dibromomethane	11.0	0.10	0.20	ug/L	10.0		110	80-120	6.51	30	
2-Chloroethyl vinyl ether	11.1	1.00	1.00	ug/L	10.0		111	64-120	5.04	30	
4-Methyl-2-Pentanone	54.0	2.50	5.00	ug/L	50.0		108	67-133	2.51	30	
cis-1,3-Dichloropropene	11.9	0.10	0.20	ug/L	10.0		119	80-124	6.24	30	
Toluene	11.3	0.10	0.20	ug/L	10.0		113	80-120	6.30	30	
trans-1,3-Dichloropropene	12.0	0.10	0.20	ug/L	10.0		120	71-127	5.68	30	
2-Hexanone	54.4	2.50	5.00	ug/L	50.0		109	69-133	2.58	30	
1,1,2-Trichloroethane	11.1	0.20	0.20	ug/L	10.0		111	80-121	2.91	30	
1,3-Dichloropropane	11.2	0.10	0.20	ug/L	10.0		112	80-120	1.62	30	
Tetrachloroethene	11.4	0.10	0.20	ug/L	10.0		114	80-120	3.81	30	
Dibromochloromethane	11.6	0.10	0.20	ug/L	10.0		116	65-135	3.54	30	
1,2-Dibromoethane	11.3	0.10	0.20	ug/L	10.0		113	80-121	4.95	30	
Chlorobenzene	11.3	0.10	0.20	ug/L	10.0		113	80-120	2.93	30	
Ethylbenzene	11.2	0.10	0.20	ug/L	10.0		112	80-120	1.29	30	
1,1,1,2-Tetrachloroethane	11.3	0.10	0.20	ug/L	10.0		113	80-120	4.42	30	
m,p-Xylene	23.4	0.20	0.40	ug/L	20.0		117	80-121	3.27	30	
o-Xylene	11.6	0.10	0.20	ug/L	10.0		116	80-121	2.94	30	
Xylenes, total	35.0	0.30	0.60	ug/L	30.0		117	76-127	3.16	30	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BNK0497 - EPA 8260D in Water

Instrument: NT3 Analyst: LNH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BNK0497-BSD1)						Prepared: 28-Nov-2025 Analyzed: 28-Nov-2025 08:49					
Styrene	12.3	0.10	0.20	ug/L	10.0		123	80-124	6.10	30	
Bromoform	12.6	0.20	0.20	ug/L	10.0		126	51-134	3.88	30	Q
1,1,2,2-Tetrachloroethane	11.7	0.20	0.20	ug/L	10.0		117	77-123	5.29	30	
1,2,3-Trichloropropane	11.6	0.25	0.50	ug/L	10.0		116	76-125	4.40	30	
trans-1,4-Dichloro 2-Butene	11.3	1.00	1.00	ug/L	10.0		113	55-129	3.79	30	
n-Propylbenzene	12.8	0.10	0.20	ug/L	10.0		128	78-130	6.48	30	
Bromobenzene	11.9	0.10	0.20	ug/L	10.0		119	80-120	6.30	30	
Isopropyl Benzene	13.0	0.10	0.20	ug/L	10.0		130	80-128	6.64	30	*, Q
2-Chlorotoluene	11.3	0.10	0.20	ug/L	10.0		113	78-122	3.60	30	
4-Chlorotoluene	11.8	0.10	0.20	ug/L	10.0		118	80-121	8.20	30	
t-Butylbenzene	12.6	0.10	0.20	ug/L	10.0		126	78-125	8.44	30	*
1,3,5-Trimethylbenzene	12.9	0.10	0.20	ug/L	10.0		129	80-129	6.66	30	Q
1,2,4-Trimethylbenzene	12.9	0.10	0.20	ug/L	10.0		129	80-127	6.21	30	*, Q
s-Butylbenzene	12.7	0.10	0.20	ug/L	10.0		127	78-129	8.96	30	
4-Isopropyl Toluene	12.9	0.10	0.20	ug/L	10.0		129	79-130	8.39	30	
1,3-Dichlorobenzene	12.1	0.10	0.20	ug/L	10.0		121	80-120	7.43	30	*
1,4-Dichlorobenzene	11.8	0.20	0.20	ug/L	10.0		118	80-120	6.70	30	
n-Butylbenzene	12.8	0.20	0.20	ug/L	10.0		128	74-129	7.03	30	
1,2-Dichlorobenzene	11.7	0.10	0.20	ug/L	10.0		117	80-120	6.28	30	
1,2-Dibromo-3-chloropropane	12.3	0.50	0.50	ug/L	10.0		123	62-123	7.79	30	
1,2,4-Trichlorobenzene	12.5	0.25	0.50	ug/L	10.0		125	64-124	6.37	30	*
Hexachloro-1,3-Butadiene	12.9	0.50	0.50	ug/L	10.0		129	65-145	9.05	30	
Naphthalene	12.3	0.50	0.50	ug/L	10.0		123	50-134	5.06	30	
1,2,3-Trichlorobenzene	12.4	0.50	0.50	ug/L	10.0		124	49-133	6.93	30	
Dichlorodifluoromethane	9.80	0.20	0.20	ug/L	10.0		98.0	48-147	5.47	30	
Methyl tert-butyl Ether	10.9	0.25	0.50	ug/L	10.0		109	71-132	2.62	30	
2-Pentanone	58.0	2.50	5.00	ug/L	50.0		116	69-134	7.98	30	
Surrogate: 1,2-Dichloroethane-d4	6.23			ug/L	6.25		99.7	80-129			
Surrogate: Toluene-d8	6.39			ug/L	6.25		102	80-120			
Surrogate: 4-Bromofluorobenzene	6.34			ug/L	6.25		102	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	5.09			ug/L	5.00		102	80-120			



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - SIM - Quality Control

Batch BNK0416 - EPA 8260D-SIM in Water

Instrument: NT16 Analyst: LTN

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0416-BLK1)					Prepared: 24-Nov-2025 Analyzed: 24-Nov-2025 08:49						
Vinyl chloride	ND	10.0	20.0	ng/L							U
Surrogate: 1,2-Dichloroethane-d4	6650			ng/L	6250		106	80-129			
Surrogate: Toluene-d8	6250			ng/L	6250		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	5770			ng/L	6250		92.3	75-125			
LCS (BNK0416-BS1)					Prepared: 24-Nov-2025 Analyzed: 24-Nov-2025 08:08						
Vinyl chloride	2000	10.0	20.0	ng/L	2000		99.9	62-141			
Surrogate: 1,2-Dichloroethane-d4	6870			ng/L	6250		110	80-129			
Surrogate: Toluene-d8	6320			ng/L	6250		101	80-120			
Surrogate: 4-Bromofluorobenzene	6620			ng/L	6250		106	75-125			
LCS Dup (BNK0416-BS1)					Prepared: 24-Nov-2025 Analyzed: 24-Nov-2025 08:29						
Vinyl chloride	2120	10.0	20.0	ng/L	2000		106	62-141	5.80	30	
Surrogate: 1,2-Dichloroethane-d4	6870			ng/L	6250		110	80-129			
Surrogate: Toluene-d8	6320			ng/L	6250		101	80-120			
Surrogate: 4-Bromofluorobenzene	6650			ng/L	6250		106	75-125			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - Quality Control

Batch BNK0386 - EPA 8270E in Water

Instrument: NT17 Analyst: AA

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0386-BLK1)						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 09:17					
Phenol	ND	0.1	0.2	ug/L							U
bis(2-chloroethyl) ether	ND	0.1	0.2	ug/L							U
2-Chlorophenol	ND	0.1	0.2	ug/L							U
1,3-Dichlorobenzene	ND	0.1	0.2	ug/L							U
1,4-Dichlorobenzene	ND	0.1	0.2	ug/L							U
1,2-Dichlorobenzene	ND	0.1	0.2	ug/L							U
Benzyl Alcohol	ND	0.1	0.2	ug/L							U
2,2'-Oxybis(1-chloropropane)	ND	0.1	0.2	ug/L							U
2-Methylphenol	ND	0.1	0.2	ug/L							U
Hexachloroethane	ND	0.1	0.2	ug/L							U
N-Nitroso-di-n-Propylamine	ND	0.1	0.2	ug/L							U
4-Methylphenol	ND	0.1	0.2	ug/L							U
Nitrobenzene	ND	0.1	0.2	ug/L							U
Isophorone	ND	0.1	0.2	ug/L							U
2-Nitrophenol	ND	0.5	1.0	ug/L							U
2,4-Dimethylphenol	ND	0.5	1.0	ug/L							U
Bis(2-Chloroethoxy)methane	ND	0.1	0.2	ug/L							U
2,4-Dichlorophenol	ND	0.5	1.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.1	0.2	ug/L							U
Naphthalene	ND	0.1	0.2	ug/L							U
Benzoic acid	ND	1.0	2.0	ug/L							U
4-Chloroaniline	ND	0.5	1.0	ug/L							U
Hexachlorobutadiene	ND	0.1	0.2	ug/L							U
4-Chloro-3-Methylphenol	ND	0.5	1.0	ug/L							U
2-Methylnaphthalene	ND	0.1	0.2	ug/L							U
Hexachlorocyclopentadiene	ND	0.5	1.0	ug/L							U
2,4,6-Trichlorophenol	ND	0.5	1.0	ug/L							U
2,4,5-Trichlorophenol	ND	0.5	1.0	ug/L							U
2-Chloronaphthalene	ND	0.1	0.2	ug/L							U
2-Nitroaniline	ND	0.5	1.0	ug/L							U
Acenaphthylene	ND	0.1	0.2	ug/L							U
Dimethylphthalate	ND	0.1	0.2	ug/L							U
2,6-Dinitrotoluene	ND	0.5	1.0	ug/L							U
Acenaphthene	ND	0.1	0.2	ug/L							U
3-Nitroaniline	ND	0.5	1.0	ug/L							U
2,4-Dinitrophenol	ND	1.0	2.0	ug/L							U
Dibenzofuran	ND	0.1	0.2	ug/L							U
4-Nitrophenol	ND	0.5	1.0	ug/L							U
2,4-Dinitrotoluene	ND	0.5	1.0	ug/L							U
Fluorene	ND	0.1	0.2	ug/L							U
4-Chlorophenylphenyl ether	ND	0.1	0.2	ug/L							U



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - Quality Control

Batch BNK0386 - EPA 8270E in Water

Instrument: NT17 Analyst: AA

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0386-BLK1)											
						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 09:17					
Diethyl phthalate	ND	0.1	0.2	ug/L							U
4-Nitroaniline	ND	0.5	1.0	ug/L							U
4,6-Dinitro-2-methylphenol	ND	1.0	2.0	ug/L							U
N-Nitrosodiphenylamine	ND	0.1	0.2	ug/L							U
4-Bromophenyl phenyl ether	ND	0.1	0.2	ug/L							U
Hexachlorobenzene	ND	0.1	0.2	ug/L							U
Pentachlorophenol	ND	0.5	1.0	ug/L							U
Phenanthrene	ND	0.1	0.2	ug/L							U
Anthracene	ND	0.1	0.2	ug/L							U
Carbazole	ND	0.1	0.2	ug/L							U
Di-n-Butylphthalate	ND	0.1	0.2	ug/L							U
Fluoranthene	ND	0.1	0.2	ug/L							U
Pyrene	ND	0.1	0.2	ug/L							U
Butylbenzylphthalate	ND	0.1	0.2	ug/L							U
Benzo(a)anthracene	ND	0.1	0.2	ug/L							U
3,3'-Dichlorobenzidine	ND	0.5	1.0	ug/L							U
Chrysene	ND	0.1	0.2	ug/L							U
bis(2-Ethylhexyl)phthalate	ND	0.2	0.2	ug/L							U
Di-n-Octylphthalate	ND	0.1	0.2	ug/L							U
Benzo(a)fluoranthene, Total	ND	0.2	0.4	ug/L							U
Benzo(a)pyrene	ND	0.1	0.2	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.2	0.2	ug/L							U
Dibenzo(a,h)anthracene	ND	0.1	0.2	ug/L							U
Benzo(g,h,i)perylene	ND	0.1	0.2	ug/L							U
1-Methylnaphthalene	ND	0.1	0.2	ug/L							U
2,3,4,6-Tetrachlorophenol	ND	0.1	0.2	ug/L							U
Surrogate: 2-Fluorophenol	5.54			ug/L	15.0		36.9	30-160			
Surrogate: Phenol-d5	3.42			ug/L	15.0		22.8	30-160			*
Surrogate: 2-Chlorophenol-d4	11.5			ug/L	15.0		76.4	30-160			
Surrogate: 1,2-Dichlorobenzene-d4	11.9			ug/L	15.0		79.3	30-160			
Surrogate: Nitrobenzene-d5	13.9			ug/L	15.0		92.4	30-160			
Surrogate: 2-Fluorobiphenyl	12.9			ug/L	15.0		86.3	30-160			
Surrogate: 2,4,6-Tribromophenol	9.93			ug/L	15.0		66.2	30-160			
Surrogate: p-Terphenyl-d14	18.6			ug/L	15.0		124	30-160			
LCS (BNK0386-BS1)											
						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 09:51					
Phenol	5.5	0.1	0.2	ug/L	20.0		27.4	30-160			*
bis(2-chloroethyl) ether	9.1	0.1	0.2	ug/L	10.0		91.0	30-160			
2-Chlorophenol	16.7	0.1	0.2	ug/L	20.0		83.3	30-160			
1,3-Dichlorobenzene	8.2	0.1	0.2	ug/L	10.0		81.8	30-160			
1,4-Dichlorobenzene	8.3	0.1	0.2	ug/L	10.0		82.8	30-160			
1,2-Dichlorobenzene	8.5	0.1	0.2	ug/L	10.0		85.0	30-160			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatle Organic Compounds - Quality Control

Batch BNK0386 - EPA 8270E in Water

Instrument: NT17 Analyst: AA

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0386-BS1)						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 09:51					
Benzyl Alcohol	5.7	0.1	0.2	ug/L	10.0		57.4	30-160			
2,2'-Oxybis(1-chloropropane)	9.5	0.1	0.2	ug/L	10.0		95.1	30-160			
2-Methylphenol	14.3	0.1	0.2	ug/L	20.0		71.7	30-160			
Hexachloroethane	8.5	0.1	0.2	ug/L	10.0		84.7	30-160			
N-Nitroso-di-n-Propylamine	10.3	0.1	0.2	ug/L	10.0		103	30-160			
4-Methylphenol	13.0	0.1	0.2	ug/L	20.0		64.8	30-160			
Nitrobenzene	9.4	0.1	0.2	ug/L	10.0		94.4	30-160			
Isophorone	10.7	0.1	0.2	ug/L	10.0		107	30-160			
2-Nitrophenol	19.8	0.5	1.0	ug/L	20.0		99.1	30-160			
2,4-Dimethylphenol	17.2	0.5	1.0	ug/L	20.0		86.1	30-160			
Bis(2-Chloroethoxy)methane	9.6	0.1	0.2	ug/L	10.0		95.9	30-160			
2,4-Dichlorophenol	18.9	0.5	1.0	ug/L	20.0		94.6	30-160			
1,2,4-Trichlorobenzene	8.6	0.1	0.2	ug/L	10.0		85.6	30-160			
Naphthalene	9.8	0.1	0.2	ug/L	10.0		98.0	30-160			
Benzoic acid	7.4	1.0	2.0	ug/L	50.0		14.8	30-160			*
4-Chloroaniline	8.0	0.5	1.0	ug/L	10.0		79.8	30-160			
Hexachlorobutadiene	8.2	0.1	0.2	ug/L	10.0		82.3	30-160			
4-Chloro-3-Methylphenol	19.2	0.5	1.0	ug/L	20.0		96.2	30-160			
2-Methylnaphthalene	9.2	0.1	0.2	ug/L	10.0		91.6	30-160			
Hexachlorocyclopentadiene	8.0	0.5	1.0	ug/L	10.0		80.3	30-160			
2,4,6-Trichlorophenol	19.8	0.5	1.0	ug/L	20.0		98.8	30-160			
2,4,5-Trichlorophenol	19.3	0.5	1.0	ug/L	20.0		96.7	30-160			
2-Chloronaphthalene	8.7	0.1	0.2	ug/L	10.0		87.5	30-160			
2-Nitroaniline	10.1	0.5	1.0	ug/L	10.0		101	30-160			
Acenaphthylene	9.5	0.1	0.2	ug/L	10.0		95.3	30-160			
Dimethylphthalate	9.7	0.1	0.2	ug/L	10.0		97.3	30-160			
2,6-Dinitrotoluene	9.7	0.5	1.0	ug/L	10.0		96.6	30-160			
Acenaphthene	9.2	0.1	0.2	ug/L	10.0		91.9	30-160			
3-Nitroaniline	8.4	0.5	1.0	ug/L	10.0		84.5	30-160			
2,4-Dinitrophenol	11.8	1.0	2.0	ug/L	20.0		59.1	30-160			Q
Dibenzofuran	9.0	0.1	0.2	ug/L	10.0		90.0	30-160			
4-Nitrophenol	6.1	0.5	1.0	ug/L	20.0		30.7	30-160			
2,4-Dinitrotoluene	9.9	0.5	1.0	ug/L	10.0		98.7	30-160			
Fluorene	9.7	0.1	0.2	ug/L	10.0		96.6	30-160			
4-Chlorophenylphenyl ether	9.2	0.1	0.2	ug/L	10.0		92.3	30-160			
Diethyl phthalate	10.2	0.1	0.2	ug/L	10.0		102	30-160			
4-Nitroaniline	9.1	0.5	1.0	ug/L	10.0		90.8	30-160			
4,6-Dinitro-2-methylphenol	16.6	1.0	2.0	ug/L	20.0		83.2	30-160			Q
N-Nitrosodiphenylamine	10.8	0.1	0.2	ug/L	10.0		108	30-160			
4-Bromophenyl phenyl ether	10.7	0.1	0.2	ug/L	10.0		107	30-160			
Hexachlorobenzene	9.9	0.1	0.2	ug/L	10.0		98.6	30-160			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - Quality Control

Batch BNK0386 - EPA 8270E in Water

Instrument: NT17 Analyst: AA

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0386-BS1)						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 09:51					
Pentachlorophenol	18.6	0.5	1.0	ug/L	20.0		93.2	30-160			Q
Phenanthrene	10.1	0.1	0.2	ug/L	10.0		101	30-160			
Anthracene	11.3	0.1	0.2	ug/L	10.0		113	30-160			
Carbazole	10.9	0.1	0.2	ug/L	10.0		109	30-160			
Di-n-Butylphthalate	9.8	0.1	0.2	ug/L	10.0		98.3	30-160			
Fluoranthene	11.5	0.1	0.2	ug/L	10.0		115	30-160			
Pyrene	11.1	0.1	0.2	ug/L	10.0		111	30-160			
Butylbenzylphthalate	10.6	0.1	0.2	ug/L	10.0		106	30-160			
Benzo(a)anthracene	11.7	0.1	0.2	ug/L	10.0		117	30-160			
3,3'-Dichlorobenzidine	8.2	0.5	1.0	ug/L	10.0		81.9	30-160			
Chrysene	10.3	0.1	0.2	ug/L	10.0		103	30-160			
bis(2-Ethylhexyl)phthalate	8.9	0.2	0.2	ug/L	10.0		89.2	30-160			Q
Di-n-Octylphthalate	9.1	0.1	0.2	ug/L	10.0		91.4	30-160			
Benzo(a)pyrene	21.0	0.2	0.4	ug/L	20.0		105	30-160			
Indeno(1,2,3-cd)pyrene	9.1	0.1	0.2	ug/L	10.0		90.8	30-160			
Indeno(1,2,3-cd)pyrene	8.8	0.2	0.2	ug/L	10.0		87.6	30-160			
Dibenzo(a,h)anthracene	9.9	0.1	0.2	ug/L	10.0		98.6	30-160			
Benzo(g,h,i)perylene	9.3	0.1	0.2	ug/L	10.0		93.1	30-160			
1-Methylnaphthalene	9.1	0.1	0.2	ug/L	10.0		91.4	30-160			
2,3,4,6-Tetrachlorophenol	9.2	0.1	0.2	ug/L	10.0		91.6	60.9-120			
Surrogate: 2-Fluorophenol	6.38			ug/L	15.0		42.5	30-160			
Surrogate: Phenol-d5	3.96			ug/L	15.0		26.4	30-160			*
Surrogate: 2-Chlorophenol-d4	12.5			ug/L	15.0		83.0	30-160			
Surrogate: 1,2-Dichlorobenzene-d4	12.7			ug/L	15.0		84.6	30-160			
Surrogate: Nitrobenzene-d5	14.2			ug/L	15.0		95.0	30-160			
Surrogate: 2-Fluorobiphenyl	13.3			ug/L	15.0		88.7	30-160			
Surrogate: 2,4,6-Tribromophenol	12.3			ug/L	15.0		81.7	30-160			
Surrogate: p-Terphenyl-d14	16.8			ug/L	15.0		112	30-160			
LCS (BNK0386-BS2)						Prepared: 21-Nov-2025 Analyzed: 28-Nov-2025 11:00					
Surrogate: 2-Fluorophenol	5.84			ug/L	15.0		39.0	30-160			
Surrogate: Phenol-d5	3.52			ug/L	15.0		23.4	30-160			
Surrogate: 2-Chlorophenol-d4	11.7			ug/L	15.0		78.0	30-160			
Surrogate: 1,2-Dichlorobenzene-d4	12.0			ug/L	15.0		80.1	30-160			
Surrogate: Nitrobenzene-d5	13.8			ug/L	15.0		91.9	30-160			
Surrogate: 2-Fluorobiphenyl	13.0			ug/L	15.0		86.4	30-160			
Surrogate: 2,4,6-Tribromophenol	10.4			ug/L	15.0		69.4	30-160			
Surrogate: p-Terphenyl-d14	17.9			ug/L	15.0		119	30-160			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - Quality Control

Batch BNK0418 - EPA 8270E in Water

Instrument: NT6 Analyst: JZ

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0418-BLK1)					Prepared: 24-Nov-2025 Analyzed: 05-Dec-2025 15:23					
1,4-Dioxane	ND	0.2	0.4	ug/L						U
Surrogate: 1,2-Dichlorobenzene-d4	18.6			ug/L	20.0		93.0 30-160			
LCS (BNK0418-BS1)					Prepared: 24-Nov-2025 Analyzed: 05-Dec-2025 15:48					
1,4-Dioxane	16.9	0.2	0.4	ug/L	20.0		84.5 30-160			
Surrogate: 1,2-Dichlorobenzene-d4	17.5			ug/L	20.0		87.3 30-160			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BNK0387 - EPA 8270E-SIM in Water

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0387-BLK1)											
Prepared: 21-Nov-2025 Analyzed: 02-Dec-2025 18:44											
Naphthalene	0.063	0.010	0.010	ug/L							
2-Methylnaphthalene	ND	0.010	0.010	ug/L							U
1-Methylnaphthalene	0.013	0.010	0.010	ug/L							
Acenaphthylene	ND	0.010	0.010	ug/L							U
Acenaphthene	ND	0.010	0.010	ug/L							U
Dibenzofuran	ND	0.010	0.010	ug/L							U
Fluorene	ND	0.005	0.010	ug/L							U
Phenanthrene	ND	0.010	0.010	ug/L							U
Anthracene	ND	0.010	0.010	ug/L							U
Carbazole	ND	0.010	0.010	ug/L							U
Fluoranthene	ND	0.010	0.010	ug/L							U
Pyrene	ND	0.010	0.010	ug/L							U
Benzo(a)anthracene	ND	0.010	0.010	ug/L							U
Chrysene	ND	0.010	0.010	ug/L							U
Benzo(b)fluoranthene	ND	0.010	0.010	ug/L							U
Benzo(k)fluoranthene	ND	0.010	0.010	ug/L							U
Benzo(j)fluoranthene	ND	0.010	0.010	ug/L							U
# Benzofluoranthenes, Total	ND	0.010	0.010	ug/L							U
Benzo(a)pyrene	ND	0.010	0.010	ug/L							U
Perylene	ND	0.005	0.010	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.010	0.010	ug/L							U
Dibenzo(a,h)anthracene	ND	0.010	0.010	ug/L							U
Benzo(g,h,i)perylene	ND	0.010	0.010	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	0.269			ug/L	0.300		89.6	42-120			
Surrogate: Dibenzo[a,h]anthracene-d14	0.248			ug/L	0.308		80.5	29-120			
Surrogate: Fluoranthene-d10	0.325			ug/L	0.300		108	57-120			
LCS (BNK0387-BS1)											
Prepared: 21-Nov-2025 Analyzed: 02-Dec-2025 19:16											
Naphthalene	0.333	0.010	0.010	ug/L	0.300		111	37-120			B
2-Methylnaphthalene	0.268	0.010	0.010	ug/L	0.300		89.2	37-120			
1-Methylnaphthalene	0.283	0.010	0.010	ug/L	0.300		94.5	29-120			B
Acenaphthylene	0.316	0.010	0.010	ug/L	0.300		105	41-120			
Acenaphthene	0.261	0.010	0.010	ug/L	0.300		87.0	41-120			
Dibenzofuran	0.262	0.010	0.010	ug/L	0.300		87.2	38-120			
Fluorene	0.279	0.005	0.010	ug/L	0.300		93.1	43-120			
Phenanthrene	0.259	0.010	0.010	ug/L	0.300		86.4	41-120			
Anthracene	0.305	0.010	0.010	ug/L	0.300		102	40-120			
Carbazole	0.329	0.010	0.010	ug/L	0.300		110	30-160			
Fluoranthene	0.296	0.010	0.010	ug/L	0.300		98.6	45-120			
Pyrene	0.374	0.010	0.010	ug/L	0.300		125	41-120			*
Benzo(a)anthracene	0.338	0.010	0.010	ug/L	0.300		113	42-120			
Chrysene	0.253	0.010	0.010	ug/L	0.300		84.4	44-120			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BNK0387 - EPA 8270E-SIM in Water

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0387-BS1)										
Prepared: 21-Nov-2025 Analyzed: 02-Dec-2025 19:16										
Benzo(b)fluoranthene	0.296	0.010	0.010	ug/L	0.300		98.6	44-120		
Benzo(k)fluoranthene	0.350	0.010	0.010	ug/L	0.300		117	50-120		
Benzo(j)fluoranthene	0.301	0.010	0.010	ug/L	0.300		100	39-160		
# Benzofluoranthenes, Total	0.939	0.010	0.010	ug/L	0.900		104	46-120		
Benzo(a)pyrene	0.287	0.010	0.010	ug/L	0.300		95.7	35-120		
Perylene	0.276	0.005	0.010	ug/L	0.300		91.9	30-160		
Indeno(1,2,3-cd)pyrene	0.260	0.010	0.010	ug/L	0.300		86.5	37-120		
Dibenzo(a,h)anthracene	0.262	0.010	0.010	ug/L	0.300		87.4	34-120		
Benzo(g,h,i)perylene	0.252	0.010	0.010	ug/L	0.300		84.1	38-120		
Surrogate: 2-Methylnaphthalene-d10	0.252			ug/L	0.300		84.0	42-120		
Surrogate: Dibenzo[a,h]anthracene-d14	0.234			ug/L	0.308		75.9	29-120		
Surrogate: Fluoranthene-d10	0.298			ug/L	0.300		99.5	57-120		

Indicates that ARL is NOT ACCREDITED for this parameter in this analysis and matrix.



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BNL0119 - EPA 8270E-SIM in Water

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0119-BLK1)											
						Prepared: 05-Dec-2025 Analyzed: 08-Dec-2025 19:54					
Naphthalene	ND	0.010	0.010	ug/L							U
2-Methylnaphthalene	ND	0.010	0.010	ug/L							U
1-Methylnaphthalene	ND	0.010	0.010	ug/L							U
Acenaphthylene	ND	0.010	0.010	ug/L							U
Acenaphthene	ND	0.010	0.010	ug/L							U
Dibenzofuran	ND	0.010	0.010	ug/L							U
Fluorene	ND	0.005	0.010	ug/L							U
Phenanthrene	ND	0.010	0.010	ug/L							U
Anthracene	ND	0.010	0.010	ug/L							U
Carbazole	ND	0.010	0.010	ug/L							U
Fluoranthene	ND	0.010	0.010	ug/L							U
Pyrene	ND	0.010	0.010	ug/L							U
Benzo(a)anthracene	ND	0.010	0.010	ug/L							U
Chrysene	ND	0.010	0.010	ug/L							U
Benzo(b)fluoranthene	ND	0.010	0.010	ug/L							U
Benzo(k)fluoranthene	ND	0.010	0.010	ug/L							U
Benzo(j)fluoranthene	ND	0.010	0.010	ug/L							U
# Benzofluoranthenes, Total	ND	0.010	0.010	ug/L							U
Benzo(a)pyrene	ND	0.010	0.010	ug/L							U
Perylene	ND	0.005	0.010	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.010	0.010	ug/L							U
Dibenzo(a,h)anthracene	ND	0.010	0.010	ug/L							U
Benzo(g,h,i)perylene	ND	0.010	0.010	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	0.283			ug/L	0.300		94.4	42-120			
Surrogate: Dibenzo[a,h]anthracene-d14	0.203			ug/L	0.308		65.9	29-120			
Surrogate: Fluoranthene-d10	0.369			ug/L	0.300		123	57-120			*
LCS (BNL0119-BS1)											
						Prepared: 05-Dec-2025 Analyzed: 08-Dec-2025 20:26					
Naphthalene	0.263	0.010	0.010	ug/L	0.300		87.5	37-120			
2-Methylnaphthalene	0.270	0.010	0.010	ug/L	0.300		90.1	37-120			
1-Methylnaphthalene	0.278	0.010	0.010	ug/L	0.300		92.7	29-120			
Acenaphthylene	0.334	0.010	0.010	ug/L	0.300		111	41-120			
Acenaphthene	0.279	0.010	0.010	ug/L	0.300		92.9	41-120			
Dibenzofuran	0.266	0.010	0.010	ug/L	0.300		88.6	38-120			
Fluorene	0.300	0.005	0.010	ug/L	0.300		99.9	43-120			
Phenanthrene	0.289	0.010	0.010	ug/L	0.300		96.2	41-120			
Anthracene	0.340	0.010	0.010	ug/L	0.300		113	40-120			
Carbazole	0.362	0.010	0.010	ug/L	0.300		121	30-160			
Fluoranthene	0.347	0.010	0.010	ug/L	0.300		116	45-120			
Pyrene	0.468	0.010	0.010	ug/L	0.300		156	41-120			*
Benzo(a)anthracene	0.386	0.010	0.010	ug/L	0.300		129	42-120			*
Chrysene	0.307	0.010	0.010	ug/L	0.300		102	44-120			



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Project: Snipes MTN Landfill 2025
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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BNL0119 - EPA 8270E-SIM in Water

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNL0119-BS1)						Prepared: 05-Dec-2025 Analyzed: 08-Dec-2025 20:26					
Benzo(b)fluoranthene	0.338	0.010	0.010	ug/L	0.300		113	44-120			
Benzo(k)fluoranthene	0.469	0.010	0.010	ug/L	0.300		156	50-120			*
Benzo(j)fluoranthene	0.390	0.010	0.010	ug/L	0.300		130	39-160			
# Benzofluoranthenes, Total	1.18	0.010	0.010	ug/L	0.900		131	46-120			*
Benzo(a)pyrene	0.383	0.010	0.010	ug/L	0.300		128	35-120			*
Perylene	0.320	0.005	0.010	ug/L	0.300		107	30-160			
Indeno(1,2,3-cd)pyrene	0.206	0.010	0.010	ug/L	0.300		68.7	37-120			
Dibenzo(a,h)anthracene	0.219	0.010	0.010	ug/L	0.300		72.8	34-120			
Benzo(g,h,i)perylene	0.174	0.010	0.010	ug/L	0.300		58.0	38-120			
Surrogate: 2-Methylnaphthalene-d10	0.277			ug/L	0.300		92.5	42-120			
Surrogate: Dibenzo[a,h]anthracene-d14	0.211			ug/L	0.308		68.7	29-120			
Surrogate: Fluoranthene-d10	0.365			ug/L	0.300		122	57-120			*

Indicates that ARL is NOT ACCREDITED for this parameter in this analysis and matrix.



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Chlorinated Pesticides - Quality Control

Batch BNK0449 - EPA 8081B in Water

Instrument: ECD9 Analyst: RKT

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0449-BLK1)											
Prepared: 25-Nov-2025						Analyzed: 01-Dec-2025 11:04					
alpha-BHC	ND	0.0003	0.0006	ug/L							U
beta-BHC	ND	0.0003	0.0006	ug/L							U
gamma-BHC (Lindane)	ND	0.0003	0.0006	ug/L							U
delta-BHC	ND	0.0003	0.0006	ug/L							U
Heptachlor	ND	0.0003	0.0006	ug/L							U
Aldrin	ND	0.0003	0.0006	ug/L							U
Heptachlor Epoxide	ND	0.0003	0.0006	ug/L							U
trans-Chlordane (beta/gamma-Chlordane)	ND	0.0003	0.0006	ug/L							U
cis-Chlordane (alpha-chlordane)	ND	0.0003	0.0006	ug/L							U
Endosulfan I	ND	0.0003	0.0006	ug/L							U
4,4'-DDE	ND	0.0006	0.0013	ug/L							U
Endrin	ND	0.0006	0.0013	ug/L							U
Endosulfan II	ND	0.0006	0.0013	ug/L							U
4,4'-DDD	ND	0.0006	0.0013	ug/L							U
Endrin Aldehyde	ND	0.0006	0.0013	ug/L							U
4,4'-DDT	ND	0.0006	0.0013	ug/L							U
Endosulfan Sulfate	ND	0.0006	0.0013	ug/L							U
Endrin Ketone	ND	0.0006	0.0013	ug/L							U
Methoxychlor	ND	0.0031	0.0063	ug/L							U
Hexachlorobutadiene	ND	0.0006	0.0013	ug/L							U
Hexachlorobenzene	ND	0.0006	0.0013	ug/L							U
Oxychlordane	ND	0.0013	0.0013	ug/L							U
Chlordane (NOS)	ND	0.0050	0.0050	ug/L							U
Surrogate: Decachlorobiphenyl	0.0180			ug/L	0.0800		22.5	30-160			*
Surrogate: Decachlorobiphenyl [2C]	0.0176			ug/L	0.0800		22.0	30-160			*
Surrogate: Tetrachlorometaxylene	0.0543			ug/L	0.0800		67.8	30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0538			ug/L	0.0800		67.2	30-160			
LCS (BNK0449-BS1)											
Prepared: 25-Nov-2025						Analyzed: 01-Dec-2025 11:19					
alpha-BHC	0.0322	0.0003	0.0006	ug/L	0.0400		80.5	30-160			
beta-BHC	0.0323	0.0003	0.0006	ug/L	0.0400		80.9	30-160			
gamma-BHC (Lindane)	0.0350	0.0003	0.0006	ug/L	0.0400		87.4	30-160			
delta-BHC	0.0457	0.0003	0.0006	ug/L	0.0400		114	30-160			
Heptachlor	0.0358	0.0003	0.0006	ug/L	0.0400		89.5	30-160			
Aldrin	0.0297	0.0003	0.0006	ug/L	0.0400		74.2	30-160			
Heptachlor Epoxide	0.0318	0.0003	0.0006	ug/L	0.0400		79.5	30-160			
trans-Chlordane (beta/gamma-Chlordane) [2C]	0.0315	0.0003	0.0006	ug/L	0.0400		78.7	30-160			P1
cis-Chlordane (alpha-chlordane) [2C]	0.0298	0.0003	0.0006	ug/L	0.0400		74.5	30-160			
Endosulfan I [2C]	0.0296	0.0003	0.0006	ug/L	0.0400		74.1	30-160			
4,4'-DDE	0.0721	0.0006	0.0013	ug/L	0.0800		90.2	30-160			
Endrin [2C]	0.0892	0.0006	0.0013	ug/L	0.0800		111	30-160			
Endosulfan II [2C]	0.0911	0.0006	0.0013	ug/L	0.0800		114	30-160			



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1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Chlorinated Pesticides - Quality Control

Batch BNK0449 - EPA 8081B in Water

Instrument: ECD9 Analyst: RKT

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNK0449-BS1) Prepared: 25-Nov-2025 Analyzed: 01-Dec-2025 11:19											
4,4'-DDD [2C]	0.0836	0.0006	0.0013	ug/L	0.0800		104	30-160			
Endrin Aldehyde [2C]	0.0791	0.0006	0.0013	ug/L	0.0800		98.9	30-160			
4,4'-DDT [2C]	0.0812	0.0006	0.0013	ug/L	0.0800		101	30-160			
Endosulfan Sulfate [2C]	0.0776	0.0006	0.0013	ug/L	0.0800		97.0	30-160			
Endrin Ketone [2C]	0.0779	0.0006	0.0013	ug/L	0.0800		97.3	30-160			
Methoxychlor [2C]	0.387	0.0031	0.0063	ug/L	0.400		96.8	30-160			
Hexachlorobutadiene	0.0197	0.0006	0.0013	ug/L	0.0400		49.3	30-160			
Hexachlorobenzene	0.0291	0.0006	0.0013	ug/L	0.0400		72.7	30-160			
Surrogate: Decachlorobiphenyl	0.0216			ug/L	0.0800		27.0	30-160			*
Surrogate: Decachlorobiphenyl [2C]	0.0212			ug/L	0.0800		26.5	30-160			*
Surrogate: Tetrachlorometaxylene	0.0519			ug/L	0.0800		64.9	30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0522			ug/L	0.0800		65.2	30-160			
LCS (BNK0449-BS2) Prepared: 25-Nov-2025 Analyzed: 01-Dec-2025 11:34											
Oxychlordane	0.0591	0.0013	0.0013	ug/L	0.0800		73.9	30-160			
Surrogate: Decachlorobiphenyl	0.0247			ug/L	0.0800		30.8	30-160			
Surrogate: Decachlorobiphenyl [2C]	0.0236			ug/L	0.0800		29.5	30-160			*
Surrogate: Tetrachlorometaxylene	0.0494			ug/L	0.0800		61.8	30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0537			ug/L	0.0800		67.1	30-160			
LCS (BNK0449-BS3) Prepared: 25-Nov-2025 Analyzed: 01-Dec-2025 11:49											
Chlordane (NOS)	0.356	0.0050	0.0050	ug/L	0.400		89.0	30-160			
Surrogate: Decachlorobiphenyl	0.0176			ug/L	0.0800		22.0	30-160			*
Surrogate: Decachlorobiphenyl [2C]	0.0172			ug/L	0.0800		21.5	30-160			*
Surrogate: Tetrachlorometaxylene	0.0584			ug/L	0.0800		73.0	30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0549			ug/L	0.0800		68.6	30-160			



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Chlorinated Pesticides - Quality Control

Batch BNL0086 - EPA 8081B in Water

Instrument: ECD9 Analyst: RKT

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0086-BLK1)											
						Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 13:43					
alpha-BHC	ND	0.0003	0.0006	ug/L							U
beta-BHC	ND	0.0003	0.0006	ug/L							U
gamma-BHC (Lindane)	ND	0.0003	0.0006	ug/L							U
delta-BHC	ND	0.0003	0.0006	ug/L							U
Heptachlor	ND	0.0003	0.0006	ug/L							U
Aldrin	ND	0.0003	0.0006	ug/L							U
Heptachlor Epoxide	ND	0.0003	0.0006	ug/L							U
trans-Chlordane (beta/gamma-Chlordane)	ND	0.0003	0.0006	ug/L							U
cis-Chlordane (alpha-chlordane)	ND	0.0003	0.0006	ug/L							U
Endosulfan I	ND	0.0003	0.0006	ug/L							U
4,4'-DDE	ND	0.0006	0.0013	ug/L							U
Endrin	ND	0.0006	0.0013	ug/L							U
Endosulfan II	ND	0.0006	0.0013	ug/L							U
4,4'-DDD	ND	0.0006	0.0013	ug/L							U
Endrin Aldehyde	ND	0.0006	0.0013	ug/L							U
4,4'-DDT	ND	0.0006	0.0013	ug/L							U
Endosulfan Sulfate	ND	0.0006	0.0013	ug/L							U
Endrin Ketone	ND	0.0006	0.0013	ug/L							U
Methoxychlor	ND	0.0031	0.0063	ug/L							U
Hexachlorobutadiene	ND	0.0006	0.0013	ug/L							U
Hexachlorobenzene	ND	0.0006	0.0013	ug/L							U
Oxychlordane	ND	0.0013	0.0013	ug/L							U
Chlordane (NOS)	ND	0.0050	0.0050	ug/L							U
Surrogate: Decachlorobiphenyl	0.0223			ug/L	0.0800		27.9	30-160			*, P1
Surrogate: Decachlorobiphenyl [2C]	0.0297			ug/L	0.0800		37.2	30-160			P1
Surrogate: Tetrachlorometaxylene	0.0649			ug/L	0.0800		81.1	30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0684			ug/L	0.0800		85.5	30-160			
LCS (BNL0086-BS1)											
						Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 13:59					
alpha-BHC	0.0373	0.0003	0.0006	ug/L	0.0400		93.2	30-160			
beta-BHC	0.0355	0.0003	0.0006	ug/L	0.0400		88.8	30-160			
gamma-BHC (Lindane)	0.0392	0.0003	0.0006	ug/L	0.0400		98.0	30-160			
delta-BHC	0.0483	0.0003	0.0006	ug/L	0.0400		121	30-160			
Heptachlor	0.0405	0.0003	0.0006	ug/L	0.0400		101	30-160			
Aldrin [2C]	0.0352	0.0003	0.0006	ug/L	0.0400		88.1	30-160			
Heptachlor Epoxide [2C]	0.0371	0.0003	0.0006	ug/L	0.0400		92.8	30-160			
trans-Chlordane (beta/gamma-Chlordane) [2C]	0.0371	0.0003	0.0006	ug/L	0.0400		92.8	30-160			P1
cis-Chlordane (alpha-chlordane) [2C]	0.0362	0.0003	0.0006	ug/L	0.0400		90.6	30-160			
Endosulfan I [2C]	0.0361	0.0003	0.0006	ug/L	0.0400		90.3	30-160			
4,4'-DDE	0.0826	0.0006	0.0013	ug/L	0.0800		103	30-160			
Endrin [2C]	0.0993	0.0006	0.0013	ug/L	0.0800		124	30-160			
Endosulfan II [2C]	0.0877	0.0006	0.0013	ug/L	0.0800		110	30-160			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Chlorinated Pesticides - Quality Control

Batch BNL0086 - EPA 8081B in Water

Instrument: ECD9 Analyst: RKT

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
LCS (BNL0086-BS1) Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 13:59										
4,4'-DDD [2C]	0.0962	0.0006	0.0013	ug/L	0.0800		120 30-160			
Endrin Aldehyde [2C]	0.0863	0.0006	0.0013	ug/L	0.0800		108 30-160			
4,4'-DDT [2C]	0.0917	0.0006	0.0013	ug/L	0.0800		115 30-160			
Endosulfan Sulfate [2C]	0.0835	0.0006	0.0013	ug/L	0.0800		104 30-160			
Endrin Ketone [2C]	0.0863	0.0006	0.0013	ug/L	0.0800		108 30-160			
Methoxychlor [2C]	0.458	0.0031	0.0063	ug/L	0.400		114 30-160			
Hexachlorobutadiene [2C]	0.0258	0.0006	0.0013	ug/L	0.0400		64.5 30-160			
Hexachlorobenzene [2C]	0.0326	0.0006	0.0013	ug/L	0.0400		81.5 30-160			
Surrogate: Decachlorobiphenyl	0.0622			ug/L	0.0800		77.7 30-160			
Surrogate: Decachlorobiphenyl [2C]	0.0603			ug/L	0.0800		75.3 30-160			
Surrogate: Tetrachlorometaxylene	0.0674			ug/L	0.0800		84.2 30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0663			ug/L	0.0800		82.8 30-160			
LCS (BNL0086-BS2) Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 14:14										
Surrogate: Decachlorobiphenyl	0.00504			ug/L	0.0800		6.3 30-160			* P1
Surrogate: Decachlorobiphenyl [2C]	0.0531			ug/L	0.0800		66.3 30-160			P1
Surrogate: Tetrachlorometaxylene	0.0650			ug/L	0.0800		81.2 30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0635			ug/L	0.0800		79.4 30-160			
LCS (BNL0086-BS3) Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 14:29										
Oxychlordane	0.0711	0.0013	0.0013	ug/L	0.0800		88.9 30-160			
Surrogate: Decachlorobiphenyl	0.0517			ug/L	0.0800		64.7 30-160			
Surrogate: Decachlorobiphenyl [2C]	0.0477			ug/L	0.0800		59.6 30-160			
Surrogate: Tetrachlorometaxylene	0.0651			ug/L	0.0800		81.4 30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0672			ug/L	0.0800		83.9 30-160			
LCS (BNL0086-BS4) Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 14:44										
Chlordane (NOS) [2C]	0.354	0.0050	0.0050	ug/L	0.400		88.4 30-160			
Surrogate: Decachlorobiphenyl	0.0409			ug/L	0.0800		51.1 30-160			
Surrogate: Decachlorobiphenyl [2C]	0.0400			ug/L	0.0800		49.9 30-160			
Surrogate: Tetrachlorometaxylene	0.0640			ug/L	0.0800		80.0 30-160			
Surrogate: Tetrachlorometaxylene [2C]	0.0650			ug/L	0.0800		81.2 30-160			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Dioxins/Furans - Quality Control

Batch BNL0007 - EPA 1613B in Water

Instrument: AUTOSPEC01 Analyst: jg

QC Sample/Analyte	Ion Ratio	Ratio Limits	EDL	Reporting Limit	Result	Units	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0007-BLK1)				Prepared: 01-Dec-2025		Analyzed: 13-Dec-2025 01:57					
2,3,7,8-TCDF		0.655-0.886	2.47	10.0	ND	pg/L					U
2,3,7,8-TCDD		0.655-0.886	2.23	10.0	ND	pg/L					U
1,2,3,7,8-PeCDF		1.318-1.783	2.67	10.0	ND	pg/L					U
2,3,4,7,8-PeCDF		1.318-1.783	2.76	10.0	ND	pg/L					U
1,2,3,7,8-PeCDD		1.318-1.783	3.40	10.0	ND	pg/L					U
1,2,3,4,7,8-HxCDF		1.054-1.426	2.17	10.0	ND	pg/L					U
1,2,3,6,7,8-HxCDF		1.054-1.426	2.10	10.0	ND	pg/L					U
2,3,4,6,7,8-HxCDF		1.054-1.426	2.07	10.0	ND	pg/L					U
1,2,3,7,8,9-HxCDF		1.054-1.426	2.98	10.0	ND	pg/L					U
1,2,3,4,7,8-HxCDD		1.054-1.426	2.76	10.0	ND	pg/L					U
1,2,3,6,7,8-HxCDD		1.054-1.426	2.95	10.0	ND	pg/L					U
1,2,3,7,8,9-HxCDD		1.054-1.426	3.11	10.0	ND	pg/L					U
1,2,3,4,6,7,8-HpCDF		0.893-1.208	1.94	20.0	ND	pg/L					U
1,2,3,4,7,8,9-HpCDF		0.893-1.208	3.05	10.0	ND	pg/L					U
1,2,3,4,6,7,8-HpCDD		0.893-1.208	4.29	10.0	ND	pg/L					U
OCDF		0.757-1.024	3.85	20.0	ND	pg/L					U
OCDD		0.757-1.024	5.72	50.0	ND	pg/L					U
Homologue group											
Total TCDF				10.0	ND	pg/L					U
Total TCDD				10.0	ND	pg/L					U
Total PeCDF				10.0	ND	pg/L					U
Total PeCDD				10.0	ND	pg/L					U
Total HxCDF				10.0	ND	pg/L					U
Total HxCDD				10.0	ND	pg/L					U
Total HpCDF				10.0	ND	pg/L					U
Total HpCDD				10.0	ND	pg/L					U

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC): 4.35
 Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC): 0.00
 Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, EMPC=ND): 4.35
 Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0 EDL, EMPC=ND): 0.00

Labeled compounds

13C12-2,3,7,8-TCDF	0.782	0.655-0.886			64.9		24-169 %
13C12-2,3,7,8-TCDD	0.736	0.655-0.886			85.6		25-164 %
13C12-1,2,3,7,8-PeCDF	1.578	1.318-1.783			73.6		24-185 %
13C12-2,3,4,7,8-PeCDF	1.645	1.318-1.783			70.8		21-178 %
13C12-1,2,3,7,8-PeCDD	1.552	1.318-1.783			65.9		25-181 %
13C12-1,2,3,4,7,8-HxCDF	0.544	0.434-0.587			68.6		26-152 %
13C12-1,2,3,6,7,8-HxCDF	0.523	0.434-0.587			64.2		26-123 %
13C12-2,3,4,6,7,8-HxCDF	0.543	0.434-0.587			65.2		28-136 %
13C12-1,2,3,7,8,9-HxCDF	0.518	0.434-0.587			65.7		29-147 %
13C12-1,2,3,4,7,8-HxCDD	1.244	1.054-1.426			76.8		32-141 %



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Dioxins/Furans - Quality Control

Batch BNL0007 - EPA 1613B in Water

Instrument: AUTOSPEC01 Analyst: jg

QC Sample/Analyte	Ion Ratio	Ratio Limits	EDL	Reporting Limit	Result	Units	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0007-BLK1)					Prepared: 01-Dec-2025		Analyzed: 13-Dec-2025 01:57				
13C12-1,2,3,6,7,8-HxCDD	1.321	1.054-1.426			68.6				28-130 %		
13C12-1,2,3,4,6,7,8-HpCDF	0.466	0.374-0.506			59.5				28-143 %		
13C12-1,2,3,4,7,8,9-HpCDF	0.451	0.374-0.506			51.9				26-138 %		
13C12-1,2,3,4,6,7,8-HpCDD	1.043	0.893-1.208			68.5				23-140 %		
13C12-OCDD	0.912	0.757-1.024			61.0				17-157 %		
37Cl4-2,3,7,8-TCDD					82.8				35-197 %		
LCS (BNL0007-BS1)					Prepared: 01-Dec-2025		Analyzed: 13-Dec-2025 02:47				
2,3,7,8-TCDF	0.780	0.655-0.886		10.0	211	pg/L	105	75-158 %			
2,3,7,8-TCDD	0.835	0.655-0.886		10.0	150	pg/L	75.1	67-158 %			
1,2,3,7,8-PeCDF	1.536	1.318-1.783		10.0	866	pg/L	86.6	80-134 %			
2,3,4,7,8-PeCDF	1.569	1.318-1.783		10.0	880	pg/L	88.0	68-160 %			
1,2,3,7,8-PeCDD	1.553	1.318-1.783		10.0	923	pg/L	92.3	70-142 %			
1,2,3,4,7,8-HxCDF	1.248	1.054-1.426		10.0	899	pg/L	89.9	72-134 %			
1,2,3,6,7,8-HxCDF	1.215	1.054-1.426		10.0	1000	pg/L	100	84-130 %			
2,3,4,6,7,8-HxCDF	1.291	1.054-1.426		10.0	945	pg/L	94.5	70-156 %			
1,2,3,7,8,9-HxCDF	1.259	1.054-1.426		10.0	990	pg/L	99.0	78-130 %			
1,2,3,4,7,8-HxCDD	1.186	1.054-1.426		10.0	914	pg/L	91.4	70-164 %			
1,2,3,6,7,8-HxCDD	1.207	1.054-1.426		10.0	984	pg/L	98.4	76-134 %			
1,2,3,7,8,9-HxCDD	1.167	1.054-1.426		10.0	971	pg/L	97.1	64-162 %			
1,2,3,4,6,7,8-HpCDF	0.996	0.893-1.208		20.0	957	pg/L	95.7	82-122 %			
1,2,3,4,7,8,9-HpCDF	1.160	0.893-1.208		10.0	983	pg/L	98.3	78-138 %			
1,2,3,4,6,7,8-HpCDD	1.056	0.893-1.208		10.0	934	pg/L	93.4	70-140 %			
OCDF	0.884	0.757-1.024		20.0	1250	pg/L	62.6	63-170 %			*
OCDD	0.877	0.757-1.024		50.0	1800	pg/L	90.2	78-144 %			
Labeled compounds											
13C12-2,3,7,8-TCDF	0.796	0.655-0.886			70.4				24-169 %		
13C12-2,3,7,8-TCDD	0.751	0.655-0.886			98.3				25-164 %		
13C12-1,2,3,7,8-PeCDF	1.548	1.318-1.783			83.0				24-185 %		
13C12-2,3,4,7,8-PeCDF	1.689	1.318-1.783			79.9				21-178 %		
13C12-1,2,3,7,8-PeCDD	1.568	1.318-1.783			75.6				25-181 %		
13C12-1,2,3,4,7,8-HxCDF	0.541	0.434-0.587			72.5				26-152 %		
13C12-1,2,3,6,7,8-HxCDF	0.522	0.434-0.587			68.0				26-123 %		
13C12-2,3,4,6,7,8-HxCDF	0.517	0.434-0.587			69.2				28-136 %		
13C12-1,2,3,7,8,9-HxCDF	0.524	0.434-0.587			70.9				29-147 %		
13C12-1,2,3,4,7,8-HxCDD	1.252	1.054-1.426			83.3				32-141 %		
13C12-1,2,3,6,7,8-HxCDD	1.237	1.054-1.426			74.8				28-130 %		
13C12-1,2,3,4,6,7,8-HpCDF	0.458	0.374-0.506			65.2				28-143 %		
13C12-1,2,3,4,7,8,9-HpCDF	0.451	0.374-0.506			60.8				26-138 %		
13C12-1,2,3,4,6,7,8-HpCDD	1.161	0.893-1.208			77.7				23-140 %		
13C12-OCDD	0.888	0.757-1.024			75.4				17-157 %		
37Cl4-2,3,7,8-TCDD					91.3				35-197 %		



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Dioxins/Furans - Quality Control

Batch BNL0007 - EPA 1613B in Water

Instrument: AUTOSPEC01 Analyst: jg

QC Sample/Analyte	Ion Ratio	Ratio Limits	EDL	Reporting Limit	Result	Units	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BNL0007-BSD1)					Prepared: 01-Dec-2025		Analyzed: 13-Dec-2025 03:36				
2,3,7,8-TCDF	0.727	0.655-0.886		10.0	207	pg/L	103	75-158 %	1.98	25	
2,3,7,8-TCDD	0.703	0.655-0.886		10.0	169	pg/L	84.3	67-158 %	11.50	25	
1,2,3,7,8-PeCDF	1.647	1.318-1.783		10.0	892	pg/L	89.2	80-134 %	3.01	25	
2,3,4,7,8-PeCDF	1.581	1.318-1.783		10.0	889	pg/L	88.9	68-160 %	0.96	25	
1,2,3,7,8-PeCDD	1.439	1.318-1.783		10.0	984	pg/L	98.4	70-142 %	6.34	25	
1,2,3,4,7,8-HxCDF	1.280	1.054-1.426		10.0	930	pg/L	93.0	72-134 %	3.29	25	
1,2,3,6,7,8-HxCDF	1.240	1.054-1.426		10.0	1030	pg/L	103	84-130 %	2.71	25	
2,3,4,6,7,8-HxCDF	1.313	1.054-1.426		10.0	982	pg/L	98.2	70-156 %	3.82	25	
1,2,3,7,8,9-HxCDF	1.324	1.054-1.426		10.0	1030	pg/L	103	78-130 %	4.07	25	
1,2,3,4,7,8-HxCDD	1.293	1.054-1.426		10.0	934	pg/L	93.4	70-164 %	2.24	25	
1,2,3,6,7,8-HxCDD	1.276	1.054-1.426		10.0	1040	pg/L	104	76-134 %	5.21	25	
1,2,3,7,8,9-HxCDD	1.169	1.054-1.426		10.0	1010	pg/L	101	64-162 %	3.70	25	
1,2,3,4,6,7,8-HpCDF	0.984	0.893-1.208		20.0	980	pg/L	98.0	82-122 %	2.41	25	
1,2,3,4,7,8,9-HpCDF	0.898	0.893-1.208		10.0	955	pg/L	95.5	78-138 %	2.91	25	
1,2,3,4,6,7,8-HpCDD	0.969	0.893-1.208		10.0	941	pg/L	94.1	70-140 %	0.74	25	
OCDF	0.915	0.757-1.024		20.0	1350	pg/L	67.3	63-170 %	7.29	25	
OCDD	0.874	0.757-1.024		50.0	1780	pg/L	88.8	78-144 %	1.55	25	
Labeled compounds											
13C12-2,3,7,8-TCDF	0.805	0.655-0.886			70.0				24-169 %		
13C12-2,3,7,8-TCDD	0.745	0.655-0.886			94.1				25-164 %		
13C12-1,2,3,7,8-PeCDF	1.656	1.318-1.783			82.4				24-185 %		
13C12-2,3,4,7,8-PeCDF	1.582	1.318-1.783			78.9				21-178 %		
13C12-1,2,3,7,8-PeCDD	1.663	1.318-1.783			75.5				25-181 %		
13C12-1,2,3,4,7,8-HxCDF	0.531	0.434-0.587			72.8				26-152 %		
13C12-1,2,3,6,7,8-HxCDF	0.535	0.434-0.587			67.4				26-123 %		
13C12-2,3,4,6,7,8-HxCDF	0.519	0.434-0.587			69.5				28-136 %		
13C12-1,2,3,7,8,9-HxCDF	0.531	0.434-0.587			68.4				29-147 %		
13C12-1,2,3,4,7,8-HxCDD	1.340	1.054-1.426			82.5				32-141 %		
13C12-1,2,3,6,7,8-HxCDD	1.230	1.054-1.426			74.7				28-130 %		
13C12-1,2,3,4,6,7,8-HpCDF	0.449	0.374-0.506			65.6				28-143 %		
13C12-1,2,3,4,7,8,9-HpCDF	0.450	0.374-0.506			66.3				26-138 %		
13C12-1,2,3,4,6,7,8-HpCDD	1.067	0.893-1.208			81.7				23-140 %		
13C12-OCDD	0.913	0.757-1.024			79.5				17-157 %		
37Cl4-2,3,7,8-TCDD					93.2				35-197 %		



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1601 5th Avenue Suite 800
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds - Quality Control

Batch BNL0037 - EPA 6020B in Water

Instrument: ICPMS1 Analyst: HAL

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0037-BLK1)						Prepared: 02-Dec-2025 Analyzed: 02-Dec-2025 18:02						
Antimony	121	ND	0.150	0.200	ug/L							U
Arsenic UCT	75a UCT	ND	0.100	0.200	ug/L							U
Barium	135	ND	0.250	0.500	ug/L							U
Beryllium	9	ND	0.100	0.200	ug/L							U
Cadmium UCT	111 UCT	ND	0.0500	0.100	ug/L							U
Chromium	52	ND	0.375	0.500	ug/L							U
Copper UCT	63 UCT	ND	0.200	0.500	ug/L							U
Lead	208	ND	0.100	0.200	ug/L							U
Nickel UCT	60 UCT	ND	0.250	0.500	ug/L							U
Selenium UCT	78 UCT	ND	0.500	1.00	ug/L							U
Thallium	205	ND	0.100	0.200	ug/L							U
Zinc UCT	66 UCT	ND	3.00	6.00	ug/L							U
LCS (BNL0037-BS1)						Prepared: 02-Dec-2025 Analyzed: 02-Dec-2025 18:12						
Antimony	121	26.7	0.150	0.200	ug/L	25.0		107	80-120			
Arsenic UCT	75a UCT	26.2	0.100	0.200	ug/L	25.0		105	80-120			
Barium	135	26.6	0.250	0.500	ug/L	25.0		106	80-120			
Beryllium	9	26.3	0.100	0.200	ug/L	25.0		105	80-120			
Cadmium UCT	111 UCT	26.4	0.0500	0.100	ug/L	25.0		106	80-120			
Chromium	52	25.8	0.375	0.500	ug/L	25.0		103	80-120			
Copper UCT	63 UCT	26.4	0.200	0.500	ug/L	25.0		106	80-120			
Lead	208	26.1	0.100	0.200	ug/L	25.0		105	80-120			
Nickel UCT	60 UCT	26.8	0.250	0.500	ug/L	25.0		107	80-120			
Selenium UCT	78 UCT	84.4	0.500	1.00	ug/L	80.0		105	80-120			
Thallium	205	25.6	0.100	0.200	ug/L	25.0		103	80-120			
Zinc UCT	66 UCT	87.8	3.00	6.00	ug/L	80.0		110	80-120			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds - Quality Control

Batch BNL0070 - EPA 6010D in Water

Instrument: ICP3 Analyst: SH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0070-BLK1) Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 08:50											
Calcium	ND	0.0300	0.0500	mg/L							U
Cobalt	ND	0.0025	0.0050	mg/L							U
Iron	ND	0.0540	0.100	mg/L							U
Magnesium	ND	0.0250	0.0500	mg/L							U
Manganese	ND	0.0020	0.0040	mg/L							U
Potassium	ND	0.250	0.500	mg/L							U
Sodium	ND	0.250	0.500	mg/L							U
Vanadium	ND	0.0015	0.0030	mg/L							U
LCS (BNL0070-BS1) Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 08:56											
Calcium	10.5	0.0300	0.0500	mg/L	10.0		105	80-120			
Cobalt	0.514	0.0025	0.0050	mg/L	0.500		103	80-120			
Iron	2.19	0.0540	0.100	mg/L	2.00		109	80-120			
Magnesium	10.4	0.0250	0.0500	mg/L	10.0		104	80-120			
Manganese	0.518	0.0020	0.0040	mg/L	0.500		104	80-120			
Potassium	10.4	0.250	0.500	mg/L	10.0		104	80-120			
Sodium	10.5	0.250	0.500	mg/L	10.0		105	80-120			
Vanadium	0.523	0.0015	0.0030	mg/L	0.500		105	80-120			
Duplicate (BNL0070-DUP1) Source: 25K0439-03 Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 09:55											
Calcium	68.8	0.0300	0.0500	mg/L		70.8			2.91	20	
Cobalt	0.0038	0.0025	0.0050	mg/L		0.0043			12.30	20	J
Iron	1.67	0.0540	0.100	mg/L		1.47			12.90	20	
Magnesium	15.3	0.0250	0.0500	mg/L		15.6			1.62	20	
Manganese	0.107	0.0020	0.0040	mg/L		0.109			1.67	20	
Potassium	4.50	0.250	0.500	mg/L		4.61			2.41	20	
Sodium	24.5	0.250	0.500	mg/L		25.0			2.02	20	
Vanadium	0.0170	0.0015	0.0030	mg/L		0.0175			2.90	20	
Matrix Spike (BNL0070-MS1) Source: 25K0439-03 Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 09:58											
Calcium	82.6	0.0300	0.0500	mg/L	10.0	70.8	118	75-125			
Cobalt	0.509	0.0025	0.0050	mg/L	0.500	0.0043	101	75-125			
Iron	4.02	0.0540	0.100	mg/L	2.00	1.47	127	75-125			*
Magnesium	26.4	0.0250	0.0500	mg/L	10.0	15.6	108	75-125			
Manganese	0.630	0.0020	0.0040	mg/L	0.500	0.109	104	75-125			
Potassium	15.3	0.250	0.500	mg/L	10.0	4.61	107	75-125			
Sodium	35.6	0.250	0.500	mg/L	10.0	25.0	106	75-125			
Vanadium	0.548	0.0015	0.0030	mg/L	0.500	0.0175	106	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds - Quality Control

Batch BNL0074 - EPA 7470A in Water

Instrument: HYDRA Analyst: ML

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0074-BLK1)										
						Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 14:05				
Mercury	ND	0.000013	0.000100	mg/L						U
LCS (BNL0074-BS1)										
						Prepared: 03-Dec-2025 Analyzed: 04-Dec-2025 14:07				
Mercury	0.00181	0.000013	0.000100	mg/L	0.00200	90.4	80-120			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0093 - EPA 6020B in Water

Instrument: ICPMS1 Analyst: HAL

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0093-BLK1)						Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 22:28						
Antimony, Dissolved	121	ND	0.150	0.200	ug/L							U
Arsenic UCT, Dissolved	75a UCT	ND	0.100	0.200	ug/L							U
Barium, Dissolved	135	ND	0.250	0.500	ug/L							U
Beryllium, Dissolved	9	ND	0.100	0.200	ug/L							U
Cadmium UCT, Dissolved	111 UCT	ND	0.0500	0.100	ug/L							U
Chromium, Dissolved	52	ND	0.375	0.500	ug/L							U
Copper UCT, Dissolved	63 UCT	ND	0.200	0.500	ug/L							U
Lead, Dissolved	208	ND	0.100	0.200	ug/L							U
Nickel UCT, Dissolved	60 UCT	ND	0.250	0.500	ug/L							U
Selenium UCT, Dissolved	78 UCT	ND	0.500	1.00	ug/L							U
Silver, Dissolved	107	ND	0.100	0.200	ug/L							U
Thallium, Dissolved	205	ND	0.100	0.200	ug/L							U
Zinc UCT, Dissolved	66 UCT	ND	3.00	6.00	ug/L							U
Blank (BNL0093-BLK2)						Prepared: 04-Dec-2025 Analyzed: 08-Dec-2025 21:50						
Arsenic UCT, Dissolved	75a UCT	ND	0.100	0.200	ug/L							U
Cadmium UCT, Dissolved	111 UCT	ND	0.0500	0.100	ug/L							U
Chromium, Dissolved	52	ND	0.375	0.500	ug/L							U
Copper UCT, Dissolved	63 UCT	ND	0.200	0.500	ug/L							U
Lead, Dissolved	208	ND	0.100	0.200	ug/L							U
Nickel UCT, Dissolved	60 UCT	ND	0.250	0.500	ug/L							U
Selenium UCT, Dissolved	78 UCT	ND	0.500	1.00	ug/L							U
Silver, Dissolved	107	ND	0.100	0.200	ug/L							U
Thallium, Dissolved	205	ND	0.100	0.200	ug/L							U
Zinc UCT, Dissolved	66 UCT	ND	3.00	6.00	ug/L							U
LCS (BNL0093-BS1)						Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 22:33						
Arsenic UCT, Dissolved	75a UCT	25.0	0.100	0.200	ug/L	25.0		100	80-120			
Barium, Dissolved	135	25.6	0.250	0.500	ug/L	25.0		102	80-120			
Beryllium, Dissolved	9	25.4	0.100	0.200	ug/L	25.0		102	80-120			
Cadmium UCT, Dissolved	111 UCT	27.1	0.0500	0.100	ug/L	25.0		108	80-120			
Copper UCT, Dissolved	63 UCT	26.4	0.200	0.500	ug/L	25.0		106	80-120			
Lead, Dissolved	208	25.1	0.100	0.200	ug/L	25.0		101	80-120			
Nickel UCT, Dissolved	60 UCT	25.7	0.250	0.500	ug/L	25.0		103	80-120			
Selenium UCT, Dissolved	78 UCT	83.1	0.500	1.00	ug/L	80.0		104	80-120			
Silver, Dissolved	107	23.8	0.100	0.200	ug/L	25.0		95.4	80-120			
Zinc UCT, Dissolved	66 UCT	88.0	3.00	6.00	ug/L	80.0		110	80-120			
LCS (BNL0093-BS2)						Prepared: 04-Dec-2025 Analyzed: 08-Dec-2025 21:55						
Chromium, Dissolved	52	25.9	0.375	0.500	ug/L	25.0		104	80-120			
Thallium, Dissolved	205	26.1	0.100	0.200	ug/L	25.0		105	80-120			
Duplicate (BNL0093-DUP1)			Source: 25K0439-01			Prepared: 04-Dec-2025 Analyzed: 06-Dec-2025 00:05						



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0093 - EPA 6020B in Water

Instrument: ICPMS1 Analyst: HAL

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Duplicate (BNL0093-DUP1)		Source: 25K0439-01				Prepared: 04-Dec-2025		Analyzed: 06-Dec-2025 00:05				
Arsenic UCT, Dissolved	75a UCT	4.15	0.100	0.200	ug/L		4.21			1.39	20	
Barium, Dissolved	135	8.99	0.250	0.500	ug/L		9.22			2.57	20	
Beryllium, Dissolved	9	ND	0.100	0.200	ug/L		ND				20	U
Cadmium UCT, Dissolved	111 UCT	ND	0.0500	0.100	ug/L		ND				20	U
Copper UCT, Dissolved	63 UCT	0.796	0.200	0.500	ug/L		0.820			2.97	20	
Lead, Dissolved	208	ND	0.100	0.200	ug/L		ND				20	U
Nickel UCT, Dissolved	60 UCT	0.310	0.250	0.500	ug/L		0.332			6.85	20	J
Selenium UCT, Dissolved	78 UCT	ND	0.500	1.00	ug/L		ND				20	U
Silver, Dissolved	107	ND	0.100	0.200	ug/L		ND				20	U
Zinc UCT, Dissolved	66 UCT	ND	3.00	6.00	ug/L		ND				20	U
Duplicate (BNL0093-DUP2)		Source: 25K0439-01RE2				Prepared: 04-Dec-2025		Analyzed: 08-Dec-2025 23:23				
Thallium, Dissolved	205	ND	0.100	0.200	ug/L		ND				20	U
Duplicate (BNL0093-DUP3)		Source: 25K0439-01RE3				Prepared: 04-Dec-2025		Analyzed: 09-Dec-2025 18:30				
Chromium, Dissolved	52	ND	3.75	5.00	ug/L		ND				20	U
Matrix Spike (BNL0093-MS1)		Source: 25K0439-01				Prepared: 04-Dec-2025		Analyzed: 06-Dec-2025 00:10				
Arsenic UCT, Dissolved	75a UCT	29.4	0.100	0.200	ug/L	25.0	4.21	101	75-125			
Barium, Dissolved	135	35.6	0.250	0.500	ug/L	25.0	9.22	105	75-125			
Beryllium, Dissolved	9	24.2	0.100	0.200	ug/L	25.0	ND	96.7	75-125			
Cadmium UCT, Dissolved	111 UCT	26.5	0.0500	0.100	ug/L	25.0	ND	106	75-125			
Copper UCT, Dissolved	63 UCT	26.2	0.200	0.500	ug/L	25.0	0.820	101	75-125			
Lead, Dissolved	208	25.2	0.100	0.200	ug/L	25.0	ND	101	75-125			
Nickel UCT, Dissolved	60 UCT	25.5	0.250	0.500	ug/L	25.0	0.332	100	75-125			
Selenium UCT, Dissolved	78 UCT	78.9	0.500	1.00	ug/L	80.0	ND	98.7	75-125			
Silver, Dissolved	107	22.8	0.100	0.200	ug/L	25.0	ND	91.1	75-125			
Zinc UCT, Dissolved	66 UCT	81.7	3.00	6.00	ug/L	80.0	ND	102	75-125			
Recovery limits for target analytes in MS/MSD QC samples are advisory only.												
Matrix Spike (BNL0093-MS2)		Source: 25K0439-01RE2				Prepared: 04-Dec-2025		Analyzed: 08-Dec-2025 23:27				
Thallium, Dissolved	205	26.0	0.100	0.200	ug/L	25.0	ND	104	75-125			
Recovery limits for target analytes in MS/MSD QC samples are advisory only.												
Matrix Spike (BNL0093-MS3)		Source: 25K0439-01RE3				Prepared: 04-Dec-2025		Analyzed: 09-Dec-2025 18:34				
Chromium, Dissolved	52	24.8	3.75	5.00	ug/L	25.0	ND	99.0	75-125			D
Recovery limits for target analytes in MS/MSD QC samples are advisory only.												



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0120 - EPA 7470A in Water

Instrument: HYDRA Analyst: ML

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0120-BLK1)						Prepared: 05-Dec-2025 Analyzed: 05-Dec-2025 15:10					
Mercury, Dissolved	ND	0.000013	0.000100	mg/L							U
LCS (BNL0120-BS1)						Prepared: 05-Dec-2025 Analyzed: 05-Dec-2025 15:12					
Mercury, Dissolved	0.00215	0.000013	0.000100	mg/L	0.00200		108	80-120			
Duplicate (BNL0120-DUP1)						Source: 25K0439-01 Prepared: 05-Dec-2025 Analyzed: 05-Dec-2025 15:21					
Mercury, Dissolved	ND	0.000013	0.000100	mg/L		ND			20		U
Matrix Spike (BNL0120-MS1)						Source: 25K0439-01 Prepared: 05-Dec-2025 Analyzed: 05-Dec-2025 15:24					
Mercury, Dissolved	0.00102	0.000013	0.000100	mg/L	0.00100	ND	102	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0124 - EPA 6010D in Water

Instrument: ICP3 Analyst: SH

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0124-BLK1) Prepared: 05-Dec-2025 Analyzed: 09-Dec-2025 06:08											
Calcium, Dissolved	ND	0.0300	0.0500	mg/L							U
Cobalt, Dissolved	ND	0.0025	0.0050	mg/L							U
Iron, Dissolved	ND	0.0540	0.100	mg/L							U
Magnesium, Dissolved	ND	0.0250	0.0500	mg/L							U
Manganese, Dissolved	ND	0.0020	0.0040	mg/L							U
Potassium, Dissolved	ND	0.250	0.500	mg/L							U
Sodium, Dissolved	ND	0.250	0.500	mg/L							U
Vanadium, Dissolved	ND	0.0015	0.0030	mg/L							U
LCS (BNL0124-BS1) Prepared: 05-Dec-2025 Analyzed: 09-Dec-2025 06:10											
Calcium, Dissolved	9.99	0.0303	0.0505	mg/L	10.0		99.9	80-120			
Cobalt, Dissolved	0.480	0.0025	0.0051	mg/L	0.500		96.0	80-120			
Iron, Dissolved	1.96	0.0545	0.101	mg/L	2.00		97.8	80-120			
Magnesium, Dissolved	9.95	0.0253	0.0505	mg/L	10.0		99.5	80-120			
Manganese, Dissolved	0.480	0.0020	0.0040	mg/L	0.500		96.0	80-120			
Potassium, Dissolved	9.85	0.253	0.505	mg/L	10.0		98.5	80-120			
Sodium, Dissolved	9.86	0.253	0.505	mg/L	10.0		98.6	80-120			
Vanadium, Dissolved	0.508	0.0015	0.0030	mg/L	0.500		102	80-120			
Duplicate (BNL0124-DUP1) Source: 25K0439-01 Prepared: 05-Dec-2025 Analyzed: 09-Dec-2025 06:31											
Calcium, Dissolved	38.7	0.0300	0.0500	mg/L		36.8			5.01	20	
Cobalt, Dissolved	ND	0.0025	0.0050	mg/L		ND				20	U
Iron, Dissolved	ND	0.0540	0.100	mg/L		ND				20	U
Magnesium, Dissolved	12.2	0.0250	0.0500	mg/L		11.8			3.71	20	
Manganese, Dissolved	ND	0.0020	0.0040	mg/L		ND				20	U
Potassium, Dissolved	7.07	0.250	0.500	mg/L		6.74			4.76	20	
Sodium, Dissolved	21.3	0.250	0.500	mg/L		20.4			4.41	20	
Vanadium, Dissolved	0.0076	0.0015	0.0030	mg/L		0.0075			1.32	20	
Matrix Spike (BNL0124-MS1) Source: 25K0439-01 Prepared: 05-Dec-2025 Analyzed: 09-Dec-2025 06:33											
Calcium, Dissolved	47.8	0.0303	0.0505	mg/L	10.0	36.8	110	75-125			
Cobalt, Dissolved	0.481	0.0025	0.0051	mg/L	0.500	ND	96.3	75-125			
Iron, Dissolved	2.06	0.0545	0.101	mg/L	2.00	ND	103	75-125			
Magnesium, Dissolved	22.2	0.0253	0.0505	mg/L	10.0	11.8	104	75-125			
Manganese, Dissolved	0.483	0.0020	0.0040	mg/L	0.500	ND	96.7	75-125			
Potassium, Dissolved	16.9	0.253	0.505	mg/L	10.0	6.74	102	75-125			
Sodium, Dissolved	30.8	0.253	0.505	mg/L	10.0	20.4	104	75-125			
Vanadium, Dissolved	0.525	0.0015	0.0030	mg/L	0.500	0.0075	103	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



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1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0193 - EPA 6020B in Water

Instrument: ICPMS1 Analyst: HAL

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0193-BLK1)						Prepared: 09-Dec-2025 Analyzed: 11-Dec-2025 23:27						
Antimony, Dissolved	121	ND	0.150	0.200	ug/L							U
Arsenic UCT, Dissolved	75a UCT	ND	0.100	0.200	ug/L							U
Barium, Dissolved	135	ND	0.250	0.500	ug/L							U
Beryllium, Dissolved	9	ND	0.100	0.200	ug/L							U
Cadmium UCT, Dissolved	111 UCT	ND	0.0500	0.100	ug/L							U
Chromium, Dissolved	52	ND	0.375	0.500	ug/L							U
Copper UCT, Dissolved	63 UCT	ND	0.200	0.500	ug/L							U
Lead, Dissolved	208	ND	0.100	0.200	ug/L							U
Nickel UCT, Dissolved	60 UCT	ND	0.250	0.500	ug/L							U
Selenium UCT, Dissolved	78 UCT	ND	0.500	1.00	ug/L							U
Silver, Dissolved	107	ND	0.100	0.200	ug/L							U
Thallium, Dissolved	205	ND	0.100	0.200	ug/L							U
Zinc UCT, Dissolved	66 UCT	ND	3.00	6.00	ug/L							U
Blank (BNL0193-BLK3)						Prepared: 09-Dec-2025 Analyzed: 17-Dec-2025 18:13						
Antimony, Dissolved	121	ND	0.150	0.200	ug/L							U
Arsenic UCT, Dissolved	75a UCT	ND	0.100	0.200	ug/L							U
Barium, Dissolved	135	ND	0.250	0.500	ug/L							U
Beryllium, Dissolved	9	ND	0.100	0.200	ug/L							U
Cadmium UCT, Dissolved	111 UCT	ND	0.0500	0.100	ug/L							U
Chromium, Dissolved	52	ND	0.375	0.500	ug/L							U
Copper UCT, Dissolved	63 UCT	ND	0.200	0.500	ug/L							U
Lead, Dissolved	208	ND	0.100	0.200	ug/L							U
Nickel UCT, Dissolved	60 UCT	ND	0.250	0.500	ug/L							U
Selenium UCT, Dissolved	78 UCT	ND	0.500	1.00	ug/L							U
Silver, Dissolved	107	ND	0.100	0.200	ug/L							U
Zinc UCT, Dissolved	66 UCT	ND	3.00	6.00	ug/L							U
LCS (BNL0193-BS1)						Prepared: 09-Dec-2025 Analyzed: 11-Dec-2025 23:32						
Antimony, Dissolved	121	25.6	0.150	0.200	ug/L	25.0		102	80-120			
Arsenic UCT, Dissolved	75a UCT	25.1	0.100	0.200	ug/L	25.0		101	80-120			
Barium, Dissolved	135	24.3	0.250	0.500	ug/L	25.0		97.1	80-120			
Beryllium, Dissolved	9	25.3	0.100	0.200	ug/L	25.0		101	80-120			
Cadmium UCT, Dissolved	111 UCT	26.3	0.0500	0.100	ug/L	25.0		105	80-120			
Chromium, Dissolved	52	27.4	0.375	0.500	ug/L	25.0		110	80-120			
Copper UCT, Dissolved	63 UCT	24.1	0.200	0.500	ug/L	25.0		96.2	80-120			
Lead, Dissolved	208	28.4	0.100	0.200	ug/L	25.0		113	80-120			
Nickel UCT, Dissolved	60 UCT	24.0	0.250	0.500	ug/L	25.0		96.2	80-120			
Selenium UCT, Dissolved	78 UCT	81.8	0.500	1.00	ug/L	80.0		102	80-120			
Silver, Dissolved	107	24.5	0.100	0.200	ug/L	25.0		97.9	80-120			
Thallium, Dissolved	205	27.5	0.100	0.200	ug/L	25.0		110	80-120			
Zinc UCT, Dissolved	66 UCT	82.2	3.00	6.00	ug/L	80.0		103	80-120			



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1601 5th Avenue Suite 800
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Metals and Metallic Compounds (dissolved) - Quality Control

Batch BNL0193 - EPA 6020B in Water

Instrument: ICPMS1 Analyst: HAL

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BNL0193-BS3)						Prepared: 09-Dec-2025 Analyzed: 17-Dec-2025 18:18						
Antimony, Dissolved	121	25.2	0.150	0.200	ug/L	25.0		101	80-120			
Arsenic UCT, Dissolved	75a UCT	25.4	0.100	0.200	ug/L	25.0		102	80-120			
Barium, Dissolved	135	25.2	0.250	0.500	ug/L	25.0		101	80-120			
Beryllium, Dissolved	9	25.3	0.100	0.200	ug/L	25.0		101	80-120			
Cadmium UCT, Dissolved	111 UCT	25.8	0.0500	0.100	ug/L	25.0		103	80-120			
Chromium, Dissolved	52	27.0	0.375	0.500	ug/L	25.0		108	80-120			
Copper UCT, Dissolved	63 UCT	25.8	0.200	0.500	ug/L	25.0		103	80-120			
Lead, Dissolved	208	25.1	0.100	0.200	ug/L	25.0		100	80-120			
Nickel UCT, Dissolved	60 UCT	26.1	0.250	0.500	ug/L	25.0		104	80-120			
Selenium UCT, Dissolved	78 UCT	82.7	0.500	1.00	ug/L	80.0		103	80-120			
Silver, Dissolved	107	24.0	0.100	0.200	ug/L	25.0		95.9	80-120			
Zinc UCT, Dissolved	66 UCT	85.0	3.00	6.00	ug/L	80.0		106	80-120			

Instrument: ICPMS2 Analyst: MCB

QC Sample/Analyte	Isotope	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0193-BLK2)						Prepared: 09-Dec-2025 Analyzed: 15-Dec-2025 19:44						
Lead, Dissolved	208	ND	0.100	0.200	ug/L							U
LCS (BNL0193-BS2)						Prepared: 09-Dec-2025 Analyzed: 15-Dec-2025 19:48						
Lead, Dissolved	208	25.6	0.100	0.200	ug/L	25.0		102	80-120			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0397 - EPA 353.2 in Water

Instrument: LACHAT2 Analyst: CRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0397-BLK1)					Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 12:11						
Nitrite-N	ND	0.010	0.010	mg/L							U
LCS (BNK0397-BS1)					Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 12:12						
Nitrite-N	0.474	0.010	0.010	mg/L	0.500		94.8	90-110			
Duplicate (BNK0397-DUP1)					Source: 25K0439-02 Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 12:14						
Nitrite-N	ND	0.010	0.010	mg/L		ND			20		U
Matrix Spike (BNK0397-MS1)					Source: 25K0439-02 Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 12:19						
Nitrite-N	0.538	0.010	0.010	mg/L	0.500	ND	108	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0401 - SM 2540 D-11 in Water

Instrument: BAL2 Analyst: RAL

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0401-BLK1)					Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 13:01					
Suspended Solids	ND	1	1	mg/L						U
LCS (BNK0401-BS1)					Prepared: 21-Nov-2025 Analyzed: 21-Nov-2025 13:01					
Suspended Solids	47	1	1	mg/L	50.60	93.3	90-110			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0433 - SM 4500-CL⁻ G-11 in Water

Instrument: LACHAT2 Analyst: CRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0433-BLK1)						Prepared: 24-Nov-2025 Analyzed: 24-Nov-2025 14:04					
Chloride	ND	1.00	1.00	mg/L							U
LCS (BNK0433-BS1)						Prepared: 24-Nov-2025 Analyzed: 24-Nov-2025 14:05					
Chloride	5.02	1.00	1.00	mg/L	5.00		100	90-110			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0462 - EPA 410.4 in Water

Instrument: UV1800-1 Analyst: KOTT

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0462-BLK1)					Prepared: 24-Nov-2025 Analyzed: 25-Nov-2025 12:04						
COD	ND	10.0	10.0	mg/L							U
DL (BNK0462-BLK2)					Prepared: 24-Nov-2025 Analyzed: 25-Nov-2025 12:40						
COD	ND	10.0	10.0	mg/L							U
LCS (BNK0462-BS1)					Prepared: 24-Nov-2025 Analyzed: 25-Nov-2025 12:07						
COD	108	10.0	10.0	mg/L	100		108	90-110			
DL (BNK0462-BS2)					Prepared: 24-Nov-2025 Analyzed: 25-Nov-2025 12:42						
COD	103	10.0	10.0	mg/L	100		103	90-110			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0464 - SM 2540 C-11 in Water

Instrument: BAL2 Analyst: RAL

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0464-BLK1)					Prepared: 25-Nov-2025 Analyzed: 25-Nov-2025 13:15					
Dissolved Solids	6	5	5	mg/L						
LCS (BNK0464-BS1)					Prepared: 25-Nov-2025 Analyzed: 25-Nov-2025 13:15					
Dissolved Solids	484	10	10	mg/L	500	96.7	90-110			B
Duplicate (BNK0464-DUP1)					Source: 25K0439-01 Prepared: 25-Nov-2025 Analyzed: 25-Nov-2025 13:15					
Dissolved Solids	253	5	5	mg/L		231		9.11	20	B



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0468 - SM 2320 B-11 in Water

Instrument: Accumet AB150 Analyst: LERB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0468-BLK1) Prepared: 25-Nov-2025 Analyzed: 29-Nov-2025 10:38											
Alkalinity, Bicarbonate	ND	1.00	1.00	mg/L CaCO3							U
Alkalinity, Carbonate	ND	1.00	1.00	mg/L CaCO3							U
Alkalinity, Total	ND	1.00	1.00	mg/L CaCO3							U
Reference (BNK0468-SRM1) Prepared: 25-Nov-2025 Analyzed: 29-Nov-2025 10:38											
Alkalinity, Total	88.1	1.00	1.00	mg/L CaCO3	87.8		100	34.97-115.03			



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0469 - SM 2320 B-11 in Water

Instrument: Accumet AB150 Analyst: LERB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0469-BLK1) Prepared: 25-Nov-2025 Analyzed: 29-Nov-2025 10:38										
Alkalinity, Bicarbonate	ND	1.00	1.00	mg/L CaCO3						U
Alkalinity, Carbonate	ND	1.00	1.00	mg/L CaCO3						U
Alkalinity, Total	ND	1.00	1.00	mg/L CaCO3						U
Duplicate (BNK0469-DUP1) Source: 25K0439-03 Prepared: 25-Nov-2025 Analyzed: 29-Nov-2025 10:38										
Alkalinity, Bicarbonate	165	1.00	1.00	mg/L CaCO3		166		0.61	20	
Alkalinity, Carbonate	ND	1.00	1.00	mg/L CaCO3		ND			20	U
Alkalinity, Total	165	1.00	1.00	mg/L CaCO3		166		0.61	20	
Reference (BNK0469-SRM1) Prepared: 25-Nov-2025 Analyzed: 29-Nov-2025 10:38										
Alkalinity, Total	88.5	1.00	1.00	mg/L CaCO3	87.8		101	84.97-115.03		



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Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNK0475 - EPA 375.2 in Water

Instrument: LACHAT1 Analyst: CRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNK0475-BLK1)										
					Prepared: 25-Nov-2025 Analyzed: 05-Dec-2025 17:10					
Sulfate	ND	2.00	2.00	mg/L						U
LCS (BNK0475-BS1)										
					Prepared: 25-Nov-2025 Analyzed: 05-Dec-2025 17:11					
Sulfate	15.2	2.00	2.00	mg/L	15.0	101	90-110			



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNL0032 - EPA 9060A in Water

Instrument: TOC-LCSH Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0032-BLK1)					Prepared: 01-Dec-2025 Analyzed: 03-Dec-2025 13:12					
Total Organic Carbon	ND	0.50	0.50	mg/L						U
LCS (BNL0032-BS1)					Prepared: 01-Dec-2025 Analyzed: 03-Dec-2025 13:30					
Total Organic Carbon	20.11	0.50	0.50	mg/L	20.00	101	90-110			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNL0053 - SM 4500-NH3 H-11 in Water

Instrument: LACHAT1 Analyst: CRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0053-BLK1)					Prepared: 02-Dec-2025 Analyzed: 03-Dec-2025 13:36						
Ammonia-N	ND	0.040	0.040	mg/L							U
LCS (BNL0053-BS1)					Prepared: 02-Dec-2025 Analyzed: 03-Dec-2025 13:37						
Ammonia-N	0.491	0.040	0.040	mg/L	0.500		98.2	90-110			
Duplicate (BNL0053-DUP1)					Prepared: 02-Dec-2025 Analyzed: 03-Dec-2025 13:49						
Ammonia-N	ND	0.040	0.040	mg/L		ND			20		U
Matrix Spike (BNL0053-MS1)					Prepared: 02-Dec-2025 Analyzed: 03-Dec-2025 13:50						
Ammonia-N	0.500	0.040	0.040	mg/L	0.500	ND	100	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNL0105 - EPA 353.2 in Water

Instrument: LACHAT2 Analyst: GJD

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0105-BLK1)										
					Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 03:45					
Nitrate + Nitrite as N	ND	0.010	0.010	mg/L						U
LCS (BNL0105-BS1)										
					Prepared: 04-Dec-2025 Analyzed: 05-Dec-2025 03:46					
Nitrate + Nitrite as N	0.502	0.010	0.010	mg/L	0.500	100	90-110			



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BNL0174 - SM 4500-CL⁻ G-11 in Water

Instrument: LACHAT2 Analyst: CRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BNL0174-BLK1)					Prepared: 08-Dec-2025 Analyzed: 08-Dec-2025 18:58						
Chloride	ND	1.00	1.00	mg/L							U
LCS (BNL0174-BS1)					Prepared: 08-Dec-2025 Analyzed: 08-Dec-2025 19:08						
Chloride	4.87	1.00	1.00	mg/L	5.00		97.4	90-110			
Duplicate (BNL0174-DUP1)					Source: 25K0439-05RE2 Prepared: 08-Dec-2025 Analyzed: 08-Dec-2025 19:10						
Chloride	32.8	10.0	10.0	mg/L		33.1			0.91	20	D
Matrix Spike (BNL0174-MS1)					Source: 25K0439-05RE2 Prepared: 08-Dec-2025 Analyzed: 08-Dec-2025 19:11						
Chloride	81.6	10.0	10.0	mg/L	50.0	33.1	97.0	75-125			D

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



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Uncertified Analytes included in this Report

Analysis Matrix & Analyte

EPA 8270E-SIM in Water

Benzofluoranthenes, Total

Indicates that ARL is NOT ACCREDITED for this parameter in this matrix.



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Certified Analyses included in this Report

Analysis Matrix & Analyte

Certification Codes

EPA 1613B in Water

2,3,7,8-TCDF	DoD-ELAP,NELAP,WADOE
2,3,7,8-TCDD	DoD-ELAP,NELAP,WADOE
1,2,3,7,8-PeCDF	DoD-ELAP,NELAP,WADOE
2,3,4,7,8-PeCDF	DoD-ELAP,NELAP,WADOE
1,2,3,7,8-PeCDD	DoD-ELAP,NELAP,WADOE
1,2,3,4,7,8-HxCDF	DoD-ELAP,NELAP,WADOE
1,2,3,6,7,8-HxCDF	DoD-ELAP,NELAP,WADOE
2,3,4,6,7,8-HxCDF	DoD-ELAP,NELAP,WADOE
1,2,3,7,8,9-HxCDF	DoD-ELAP,NELAP,WADOE
1,2,3,4,7,8-HxCDD	DoD-ELAP,NELAP,WADOE
1,2,3,6,7,8-HxCDD	DoD-ELAP,NELAP,WADOE
1,2,3,7,8,9-HxCDD	DoD-ELAP,NELAP,WADOE
1,2,3,4,6,7,8-HpCDF	DoD-ELAP,NELAP,WADOE
1,2,3,4,7,8,9-HpCDF	DoD-ELAP,NELAP,WADOE
1,2,3,4,6,7,8-HpCDD	DoD-ELAP,NELAP,WADOE
OCDF	DoD-ELAP,NELAP,WADOE
OCDD	DoD-ELAP,NELAP,WADOE
Total TCDF	DoD-ELAP,NELAP
Total TCDD	DoD-ELAP,NELAP
Total PeCDF	DoD-ELAP,NELAP
Total PeCDD	DoD-ELAP,NELAP
Total HxCDF	DoD-ELAP,NELAP
Total HxCDD	DoD-ELAP,NELAP
Total HpCDF	DoD-ELAP,NELAP
Total HpCDD	DoD-ELAP,NELAP
13C12-2,3,7,8-TCDF	DoD-ELAP
13C12-2,3,7,8-TCDD	DoD-ELAP
13C12-1,2,3,7,8-PeCDF	DoD-ELAP
13C12-2,3,4,7,8-PeCDF	DoD-ELAP
13C12-1,2,3,7,8-PeCDD	DoD-ELAP
13C12-1,2,3,4,7,8-HxCDF	DoD-ELAP
13C12-1,2,3,6,7,8-HxCDF	DoD-ELAP
13C12-2,3,4,6,7,8-HxCDF	DoD-ELAP
13C12-1,2,3,7,8,9-HxCDF	DoD-ELAP
13C12-1,2,3,4,7,8-HxCDD	DoD-ELAP
13C12-1,2,3,6,7,8-HxCDD	DoD-ELAP
13C12-1,2,3,4,6,7,8-HpCDF	DoD-ELAP



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13C12-1,2,3,4,7,8,9-HpCDF

DoD-ELAP

13C12-1,2,3,4,6,7,8-HpCDD

DoD-ELAP

13C12-OCDD

DoD-ELAP

37Cl4-2,3,7,8-TCDD

DoD-ELAP

EPA 353.2 in Water

Nitrate + Nitrite as N

DoD-ELAP,NELAP,WADOE

Nitrate-N

DoD-ELAP,NELAP,WADOE

Nitrite-N

DoD-ELAP,NELAP,WADOE

EPA 375.2 in Water

Sulfate

WADOE,NELAP

EPA 410.4 in Water

COD

DoD-ELAP,NELAP,WADOE

EPA 6010D in Water

Calcium

DoD-ELAP,NELAP,WADOE

Cobalt

DoD-ELAP,NELAP,WADOE

Iron

DoD-ELAP,NELAP,WADOE

Magnesium

DoD-ELAP,NELAP,WADOE

Manganese

DoD-ELAP,NELAP,WADOE

Potassium

DoD-ELAP,NELAP,WADOE

Sodium

DoD-ELAP,NELAP,WADOE

Vanadium

DoD-ELAP,NELAP,WADOE

Calcium

DoD-ELAP,NELAP,WADOE

Cobalt

DoD-ELAP,NELAP,WADOE

Iron

DoD-ELAP,NELAP,WADOE

Magnesium

DoD-ELAP,NELAP,WADOE

Manganese

DoD-ELAP,NELAP,WADOE

Potassium

DoD-ELAP,NELAP,WADOE

Sodium

DoD-ELAP,NELAP,WADOE

Vanadium

DoD-ELAP,NELAP,WADOE,ADEC

EPA 6020B in Water

Antimony-121

DoD-ELAP,NELAP,WADOE

Arsenic-75a UCT

DoD-ELAP,WADOE

Barium-135

DoD-ELAP,NELAP,WADOE,ADEC

Beryllium-9

DoD-ELAP,NELAP,WADOE

Cadmium-111 UCT

DoD-ELAP,WADOE

Chromium-52

DoD-ELAP,NELAP,WADOE,ADEC

Copper-63 UCT

DoD-ELAP,WADOE

Lead-208

DoD-ELAP,NELAP,WADOE,ADEC

Nickel-60 UCT

DoD-ELAP,WADOE

Selenium-78 UCT

DoD-ELAP,WADOE



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Silver-107	DoD-ELAP,NELAP,WADOE
Thallium-205	DoD-ELAP,NELAP,WADOE
Zinc-66 UCT	DoD-ELAP,WADOE
Antimony-121	NELAP,DoD-ELAP,WADOE
Arsenic-75a UCT	NELAP,WADOE
Barium-135	NELAP,DoD-ELAP,WADOE,ADEC
Beryllium-9	NELAP,DoD-ELAP,WADOE
Cadmium-111 UCT	NELAP,WADOE
Chromium-52	NELAP,DoD-ELAP,WADOE,ADEC
Copper-63 UCT	NELAP,WADOE
Lead-208	NELAP,DoD-ELAP,WADOE,ADEC
Nickel-60 UCT	NELAP,WADOE
Selenium-78 UCT	NELAP,WADOE
Thallium-205	NELAP,DoD-ELAP,WADOE
Zinc-66 UCT	NELAP,WADOE

EPA 7470A in Water

Mercury	WADOE,NELAP,DoD-ELAP
Mercury	WADOE,NELAP,DoD-ELAP

EPA 8081B in Water

alpha-BHC	DoD-ELAP,NELAP,WADOE
alpha-BHC [2C]	DoD-ELAP,NELAP,WADOE
beta-BHC	DoD-ELAP,NELAP,WADOE
beta-BHC [2C]	DoD-ELAP,NELAP,WADOE
gamma-BHC (Lindane)	DoD-ELAP,NELAP,WADOE
gamma-BHC (Lindane) [2C]	DoD-ELAP,NELAP,WADOE
delta-BHC	DoD-ELAP,NELAP,WADOE
delta-BHC [2C]	DoD-ELAP,NELAP,WADOE
Heptachlor	DoD-ELAP,NELAP,WADOE
Heptachlor [2C]	DoD-ELAP,NELAP,WADOE
Aldrin	DoD-ELAP,NELAP,WADOE
Aldrin [2C]	DoD-ELAP,NELAP,WADOE
Heptachlor Epoxide	DoD-ELAP,NELAP,WADOE
Heptachlor Epoxide [2C]	DoD-ELAP,NELAP,WADOE
trans-Chlordane (beta/gamma-C	DoD-ELAP,NELAP,WADOE
trans-Chlordane (beta/gamma-C	DoD-ELAP,NELAP,WADOE
cis-Chlordane (alpha-chlordane)	DoD-ELAP,NELAP,WADOE
cis-Chlordane (alpha-chlordane)	DoD-ELAP,NELAP,WADOE
Endosulfan I	DoD-ELAP,NELAP,WADOE
Endosulfan I [2C]	DoD-ELAP,NELAP,WADOE
4,4'-DDE	DoD-ELAP,NELAP,WADOE



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4,4'-DDE [2C]	DoD-ELAP,NELAP,WADOE
Endrin	DoD-ELAP,NELAP,WADOE
Endrin [2C]	DoD-ELAP,NELAP,WADOE
Endosulfan II	DoD-ELAP,NELAP,WADOE
Endosulfan II [2C]	DoD-ELAP,NELAP,WADOE
4,4'-DDD	DoD-ELAP,NELAP,WADOE
4,4'-DDD [2C]	DoD-ELAP,NELAP,WADOE
Endrin Aldehyde	DoD-ELAP,NELAP,WADOE
Endrin Aldehyde [2C]	DoD-ELAP,NELAP,WADOE
4,4'-DDT	DoD-ELAP,NELAP,WADOE
4,4'-DDT [2C]	DoD-ELAP,NELAP,WADOE
Endosulfan Sulfate	DoD-ELAP,NELAP,WADOE
Endosulfan Sulfate [2C]	DoD-ELAP,NELAP,WADOE
Endrin Ketone	DoD-ELAP,NELAP,WADOE
Endrin Ketone [2C]	DoD-ELAP,NELAP,WADOE
Methoxychlor	DoD-ELAP,NELAP,WADOE
Methoxychlor [2C]	DoD-ELAP,NELAP,WADOE
Hexachlorobutadiene	DoD-ELAP,NELAP,WADOE
Hexachlorobutadiene [2C]	DoD-ELAP,NELAP,WADOE
Hexachlorobenzene	DoD-ELAP,NELAP,WADOE
Hexachlorobenzene [2C]	DoD-ELAP,NELAP,WADOE
Oxychlorane	DoD-ELAP,NELAP,WADOE
Oxychlorane [2C]	DoD-ELAP,NELAP,WADOE
Chlordane (NOS)	DoD-ELAP,NELAP
Chlordane (NOS) [2C]	DoD-ELAP,NELAP

EPA 8260D in Water

Chloromethane	ADEC,NELAP,WADOE,DoD-ELAP
Vinyl Chloride	ADEC,NELAP,WADOE,DoD-ELAP
Bromomethane	ADEC,NELAP,WADOE,DoD-ELAP
Chloroethane	ADEC,NELAP,WADOE,DoD-ELAP
Trichlorofluoromethane	ADEC,NELAP,WADOE,DoD-ELAP
Acrolein	NELAP,WADOE,DoD-ELAP
1,1,2-Trichloro-1,2,2-Trifluoroeth	ADEC,NELAP,WADOE,DoD-ELAP
Acetone	ADEC,NELAP,WADOE,DoD-ELAP
1,1-Dichloroethene	ADEC,NELAP,WADOE,DoD-ELAP
Iodomethane	NELAP,WADOE,DoD-ELAP
Methylene Chloride	ADEC,NELAP,WADOE,DoD-ELAP
Acrylonitrile	NELAP,WADOE,DoD-ELAP
Carbon Disulfide	NELAP,WADOE,DoD-ELAP
trans-1,2-Dichloroethene	ADEC,NELAP,WADOE,DoD-ELAP
Vinyl Acetate	NELAP,WADOE,DoD-ELAP



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1,1-Dichloroethane	ADEC,NELAP,WADOE,DoD-ELAP
2-Butanone	NELAP,WADOE,DoD-ELAP
2,2-Dichloropropane	ADEC,NELAP,WADOE,DoD-ELAP
cis-1,2-Dichloroethene	ADEC,NELAP,WADOE,DoD-ELAP
Chloroform	ADEC,NELAP,WADOE,DoD-ELAP
Bromochloromethane	ADEC,NELAP,WADOE,DoD-ELAP
1,1,1-Trichloroethane	ADEC,NELAP,WADOE,DoD-ELAP
1,1-Dichloropropene	ADEC,NELAP,WADOE,DoD-ELAP
Carbon tetrachloride	ADEC,NELAP,WADOE,DoD-ELAP
1,2-Dichloroethane	ADEC,NELAP,WADOE,DoD-ELAP
Benzene	ADEC,NELAP,WADOE,DoD-ELAP
Trichloroethene	ADEC,NELAP,WADOE,DoD-ELAP
1,2-Dichloropropane	ADEC,NELAP,WADOE,DoD-ELAP
Bromodichloromethane	ADEC,NELAP,WADOE,DoD-ELAP
Dibromomethane	ADEC,NELAP,WADOE,DoD-ELAP
2-Chloroethyl vinyl ether	ADEC,NELAP,WADOE,DoD-ELAP
4-Methyl-2-Pentanone	NELAP,WADOE,DoD-ELAP
cis-1,3-Dichloropropene	ADEC,NELAP,WADOE,DoD-ELAP
Toluene	ADEC,NELAP,WADOE,DoD-ELAP
trans-1,3-Dichloropropene	ADEC,NELAP,WADOE,DoD-ELAP
2-Hexanone	NELAP,WADOE,DoD-ELAP
1,1,2-Trichloroethane	ADEC,NELAP,WADOE,DoD-ELAP
1,3-Dichloropropane	ADEC,NELAP,WADOE,DoD-ELAP
Tetrachloroethene	ADEC,NELAP,WADOE,DoD-ELAP
Dibromochloromethane	ADEC,NELAP,WADOE,DoD-ELAP
1,2-Dibromoethane	NELAP,WADOE,DoD-ELAP
Chlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
Ethylbenzene	ADEC,NELAP,WADOE,DoD-ELAP
1,1,1,2-Tetrachloroethane	ADEC,NELAP,WADOE,DoD-ELAP
m,p-Xylene	ADEC,NELAP,WADOE,DoD-ELAP
o-Xylene	ADEC,NELAP,WADOE,DoD-ELAP
Xylenes, total	ADEC,NELAP,WADOE,DoD-ELAP
Styrene	NELAP,WADOE,DoD-ELAP
Bromoform	NELAP,WADOE,DoD-ELAP
1,1,2,2-Tetrachloroethane	ADEC,NELAP,WADOE,DoD-ELAP
1,2,3-Trichloropropane	ADEC,NELAP,WADOE,DoD-ELAP
trans-1,4-Dichloro 2-Butene	ADEC,NELAP,WADOE,DoD-ELAP
n-Propylbenzene	NELAP,WADOE,DoD-ELAP
Bromobenzene	NELAP,WADOE,DoD-ELAP
Isopropyl Benzene	NELAP,WADOE,DoD-ELAP
2-Chlorotoluene	ADEC,NELAP,WADOE,DoD-ELAP



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4-Chlorotoluene	ADEC,NELAP,WADOE,DoD-ELAP
t-Butylbenzene	NELAP,WADOE,DoD-ELAP
1,3,5-Trimethylbenzene	NELAP,WADOE,DoD-ELAP
1,2,4-Trimethylbenzene	NELAP,WADOE,DoD-ELAP
s-Butylbenzene	NELAP,WADOE,DoD-ELAP
4-Isopropyl Toluene	NELAP,WADOE,DoD-ELAP
1,3-Dichlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
1,4-Dichlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
n-Butylbenzene	NELAP,WADOE,DoD-ELAP
1,2-Dichlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
1,2-Dibromo-3-chloropropane	ADEC,NELAP,WADOE,DoD-ELAP
1,2,4-Trichlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
Hexachloro-1,3-Butadiene	ADEC,NELAP,WADOE,DoD-ELAP
Naphthalene	ADEC,NELAP,WADOE,DoD-ELAP
1,2,3-Trichlorobenzene	ADEC,NELAP,WADOE,DoD-ELAP
Dichlorodifluoromethane	ADEC,NELAP,WADOE,DoD-ELAP
Methyl tert-butyl Ether	ADEC,NELAP,WADOE,DoD-ELAP
2-Pentanone	WADOE

EPA 8260D-SIM in Water

Vinyl chloride	NELAP,WADOE
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EPA 8270E in Water

1,4-Dioxane	WADOE,NELAP,DoD-ELAP
Phenol	WADOE,DoD-ELAP,NELAP
bis(2-chloroethyl) ether	WADOE,DoD-ELAP,NELAP
2-Chlorophenol	WADOE,DoD-ELAP,NELAP
1,3-Dichlorobenzene	WADOE,DoD-ELAP,NELAP
1,4-Dichlorobenzene	WADOE,DoD-ELAP,NELAP
1,2-Dichlorobenzene	WADOE,DoD-ELAP,NELAP
Benzyl Alcohol	WADOE,DoD-ELAP,NELAP
2,2'-Oxybis(1-chloropropane)	WADOE,DoD-ELAP,NELAP
2-Methylphenol	WADOE,DoD-ELAP,NELAP
Hexachloroethane	WADOE,DoD-ELAP,NELAP
N-Nitroso-di-n-Propylamine	WADOE,DoD-ELAP,NELAP
4-Methylphenol	WADOE,DoD-ELAP,NELAP
Nitrobenzene	WADOE,DoD-ELAP,NELAP
Isophorone	WADOE,DoD-ELAP,NELAP
2-Nitrophenol	WADOE,DoD-ELAP,NELAP
2,4-Dimethylphenol	WADOE,DoD-ELAP,NELAP
Bis(2-Chloroethoxy)methane	WADOE,DoD-ELAP,NELAP
2,4-Dichlorophenol	WADOE,DoD-ELAP,NELAP



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1,2,4-Trichlorobenzene	WADOE,DoD-ELAP,NELAP
Naphthalene	WADOE,DoD-ELAP,NELAP,ADEC
Benzoic acid	WADOE,DoD-ELAP,NELAP
4-Chloroaniline	WADOE,DoD-ELAP,NELAP
Hexachlorobutadiene	WADOE,DoD-ELAP,NELAP
4-Chloro-3-Methylphenol	WADOE,DoD-ELAP,NELAP
2-Methylnaphthalene	WADOE,DoD-ELAP,NELAP,ADEC
Hexachlorocyclopentadiene	WADOE,DoD-ELAP,NELAP
2,4,6-Trichlorophenol	WADOE,DoD-ELAP,NELAP
2,4,5-Trichlorophenol	WADOE,DoD-ELAP,NELAP
2-Chloronaphthalene	WADOE,DoD-ELAP,NELAP
2-Nitroaniline	WADOE,DoD-ELAP,NELAP
Acenaphthylene	WADOE,DoD-ELAP,NELAP,ADEC
Dimethylphthalate	WADOE,DoD-ELAP,NELAP
2,6-Dinitrotoluene	WADOE,DoD-ELAP,NELAP
Acenaphthene	WADOE,DoD-ELAP,NELAP,ADEC
3-Nitroaniline	WADOE,DoD-ELAP,NELAP
2,4-Dinitrophenol	WADOE,DoD-ELAP,NELAP
Dibenzofuran	WADOE,DoD-ELAP,NELAP
4-Nitrophenol	WADOE,DoD-ELAP,NELAP
2,4-Dinitrotoluene	WADOE,DoD-ELAP,NELAP
Fluorene	WADOE,DoD-ELAP,NELAP,ADEC
4-Chlorophenylphenyl ether	WADOE,DoD-ELAP,NELAP
Diethyl phthalate	WADOE,DoD-ELAP,NELAP
4-Nitroaniline	WADOE,DoD-ELAP,NELAP
4,6-Dinitro-2-methylphenol	WADOE,DoD-ELAP,NELAP
N-Nitrosodiphenylamine	WADOE,DoD-ELAP,NELAP
4-Bromophenyl phenyl ether	WADOE,DoD-ELAP,NELAP
Hexachlorobenzene	WADOE,DoD-ELAP,NELAP
Pentachlorophenol	WADOE,DoD-ELAP,NELAP
Phenanthrene	WADOE,DoD-ELAP,NELAP,ADEC
Anthracene	WADOE,DoD-ELAP,NELAP,ADEC
Carbazole	WADOE,DoD-ELAP,NELAP,ADEC
Di-n-Butylphthalate	WADOE,DoD-ELAP,NELAP
Fluoranthene	WADOE,DoD-ELAP,NELAP,ADEC
Pyrene	WADOE,DoD-ELAP,NELAP,ADEC
Butylbenzylphthalate	WADOE,DoD-ELAP,NELAP
Benzo(a)anthracene	WADOE,DoD-ELAP,NELAP,ADEC
3,3'-Dichlorobenzidine	WADOE,DoD-ELAP,NELAP
Chrysene	WADOE,DoD-ELAP,NELAP,ADEC
bis(2-Ethylhexyl)phthalate	WADOE,DoD-ELAP,NELAP



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Di-n-Octylphthalate	WADOE,DoD-ELAP,NELAP
Benzofluoranthenes, Total	WADOE,DoD-ELAP,NELAP,ADEC
Benzo(a)pyrene	WADOE,DoD-ELAP,NELAP,ADEC
Indeno(1,2,3-cd)pyrene	WADOE,DoD-ELAP,NELAP,ADEC
Dibenzo(a,h)anthracene	WADOE,DoD-ELAP,NELAP,ADEC
Benzo(g,h,i)perylene	WADOE,DoD-ELAP,NELAP,ADEC
1-Methylnaphthalene	WADOE,DoD-ELAP,NELAP,ADEC
2,3,4,6-Tetrachlorophenol	WADOE,DoD-ELAP

EPA 8270E-SIM in Water

Naphthalene	ADEC,DoD-ELAP,NELAP,WADOE
2-Methylnaphthalene	ADEC,DoD-ELAP,NELAP,WADOE
1-Methylnaphthalene	ADEC,DoD-ELAP,NELAP,WADOE
Acenaphthylene	ADEC,DoD-ELAP,NELAP,WADOE
Acenaphthene	ADEC,DoD-ELAP,NELAP,WADOE
Dibenzofuran	ADEC,DoD-ELAP,NELAP,WADOE
Fluorene	ADEC,DoD-ELAP,NELAP,WADOE
Phenanthrene	ADEC,DoD-ELAP,NELAP,WADOE
Anthracene	ADEC,DoD-ELAP,NELAP,WADOE
Carbazole	NELAP,WADOE
Fluoranthene	ADEC,DoD-ELAP,NELAP,WADOE
Pyrene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(a)anthracene	ADEC,DoD-ELAP,NELAP,WADOE
Chrysene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(b)fluoranthene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(k)fluoranthene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(j)fluoranthene	ADEC,NELAP,WADOE
Benzo(a)pyrene	ADEC,DoD-ELAP,NELAP,WADOE
Perylene	ADEC,DoD-ELAP,NELAP
Indeno(1,2,3-cd)pyrene	ADEC,DoD-ELAP,NELAP,WADOE
Dibenzo(a,h)anthracene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(g,h,i)perylene	ADEC,DoD-ELAP,NELAP,WADOE

EPA 9060A in Water

Total Organic Carbon	DoD-ELAP,WADOE,NELAP
----------------------	----------------------

SM 2320 B-11 in Water

Alkalinity, Bicarbonate	NELAP,WADOE,DoD-ELAP
Alkalinity, Carbonate	WADOE,DoD-ELAP,NELAP
Alkalinity, Total	DoD-ELAP,WADOE,NELAP

SM 2540 C-11 in Water

Dissolved Solids	DoD-ELAP,WADOE,NELAP,WA-DW
------------------	----------------------------

SM 2540 D-11 in Water



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Suspended Solids DoD-ELAP,WADOE,NELAP

SM 4500-CL⁻ G-11 in Water

Chloride DoD-ELAP,WADOE

SM 4500-NH3 H-11 in Water

Ammonia-N WADOE,DoD-ELAP,NELAP

Certifications

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	02/28/2026
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	01/31/2026
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-018	05/12/2026
WADOE	WA Dept of Ecology	C558	06/30/2026
WA-DW	Ecology - Drinking Water	C558	06/30/2026



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Notes and Definitions

*	Flagged value is not within established control limits.
B	This analyte was detected in the method blank.
D	The reported value is from a dilution
D1	Surrogate was not detected due to sample extract dilution
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
F	Samples were frozen prior to analysis to extend hold time.
H	Hold time violation - Hold time was exceeded.
HC	The natural concentration of the spiked analyte is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
J	Estimated concentration value detected below the reporting limit.
L	Analyte concentration is ≤ 5 times the reporting limit and the replicate control limit defaults to $\pm$ RL instead of 20% RPD
NRS	This surrogate not reported due to chromatographic interference
P1	The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria ($<20\%$ RSD, $<20\%$ drift or minimum RRF)
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.
!	Indicates that ARL is NOT ACCREDITED for this parameter in samples logged as 'Drinking Water'
#	Indicates that ARL is NOT ACCREDITED for this parameter in this analysis and matrix.

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashley Parkhurst
Strata Geosciences
851 Poplar Place S
Seattle, Washington 98144

Generated 3/9/2026 4:47:45 PM

JOB DESCRIPTION

Snipes Mtn

JOB NUMBER

320-130286-1

Eurofins Sacramento

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northern California, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Qualifiers

LCMS

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Strata Geosciences
Project: Snipes Mtn

Job ID: 320-130286-1

Job ID: 320-130286-1

Eurofins Sacramento

Job Narrative 320-130286-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/2/2026 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

PFAS

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

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Detection Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Blank

Lab Sample ID: 320-130286-1

No Detections.

Client Sample ID: Pump Blank

Lab Sample ID: 320-130286-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	1.0	J	2.9	0.73	ng/L	1		1633A	Total/NA

Client Sample ID: Decon Blank

Lab Sample ID: 320-130286-3

No Detections.

Client Sample ID: SMW-4

Lab Sample ID: 320-130286-4

No Detections.

Client Sample ID: Hydrassleeve Blank

Lab Sample ID: 320-130286-5

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Blank

Lab Sample ID: 320-130286-1

Date Collected: 02/23/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.9	0.72	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluoropentanoic acid (PFPeA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorohexanoic acid (PFHxA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluoroheptanoic acid (PFHpA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorooctanoic acid (PFOA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorononanoic acid (PFNA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.40	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.42	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.58	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.4	0.39	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.38	ng/L		03/03/26 20:21	03/05/26 07:24	1
4:2 FTS	ND		2.9	0.72	ng/L		03/03/26 20:21	03/05/26 07:24	1
6:2 FTS	ND		2.9	0.72	ng/L		03/03/26 20:21	03/05/26 07:24	1
8:2 FTS	ND		2.9	0.72	ng/L		03/03/26 20:21	03/05/26 07:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NMeFOSA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NEtFOSA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NMeFOSAA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NEtFOSAA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NMeFOSE	ND		7.2	1.8	ng/L		03/03/26 20:21	03/05/26 07:24	1
NEtFOSE	ND		7.2	1.8	ng/L		03/03/26 20:21	03/05/26 07:24	1
HFPO-DA (GenX)	ND		1.1	0.28	ng/L		03/03/26 20:21	03/05/26 07:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
PFMPA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
PFMBA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
NFDHA	ND		1.4	0.52	ng/L		03/03/26 20:21	03/05/26 07:24	1
9Cl-PF3ONS	ND		1.4	0.42	ng/L		03/03/26 20:21	03/05/26 07:24	1
11Cl-PF3OUdS	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
PFEESA	ND		1.4	0.36	ng/L		03/03/26 20:21	03/05/26 07:24	1
3:3 FTCA	ND		2.9	0.72	ng/L		03/03/26 20:21	03/05/26 07:24	1
5:3 FTCA	ND		7.2	1.8	ng/L		03/03/26 20:21	03/05/26 07:24	1
7:3 FTCA	ND		7.2	1.8	ng/L		03/03/26 20:21	03/05/26 07:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		5 - 130				03/03/26 20:21	03/05/26 07:24	1
13C5 PFPeA	93.7		40 - 130				03/03/26 20:21	03/05/26 07:24	1
13C5 PFHxA	103		40 - 130				03/03/26 20:21	03/05/26 07:24	1
13C4 PFHpA	94.4		40 - 130				03/03/26 20:21	03/05/26 07:24	1
13C8 PFOA	101		40 - 130				03/03/26 20:21	03/05/26 07:24	1

Eurofins Sacramento

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Blank

Lab Sample ID: 320-130286-1

Date Collected: 02/23/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	99.0		40 - 130	03/03/26 20:21	03/05/26 07:24	1
13C6 PFDA	105		40 - 130	03/03/26 20:21	03/05/26 07:24	1
13C7 PFUnA	107		30 - 130	03/03/26 20:21	03/05/26 07:24	1
13C2 PFDoA	93.4		10 - 130	03/03/26 20:21	03/05/26 07:24	1
13C2 PFTeDA	90.3		10 - 130	03/03/26 20:21	03/05/26 07:24	1
13C3 PFBS	90.0		40 - 135	03/03/26 20:21	03/05/26 07:24	1
13C3 PFHxS	88.4		40 - 130	03/03/26 20:21	03/05/26 07:24	1
13C8 PFOS	99.2		40 - 130	03/03/26 20:21	03/05/26 07:24	1
13C8 FOSA	71.6		40 - 130	03/03/26 20:21	03/05/26 07:24	1
d3-NMeFOSAA	108		40 - 170	03/03/26 20:21	03/05/26 07:24	1
d5-NEtFOSAA	94.0		25 - 135	03/03/26 20:21	03/05/26 07:24	1
13C2 4:2 FTS	98.3		40 - 200	03/03/26 20:21	03/05/26 07:24	1
13C2 6:2 FTS	123		40 - 200	03/03/26 20:21	03/05/26 07:24	1
13C2 8:2 FTS	128		40 - 300	03/03/26 20:21	03/05/26 07:24	1
13C3 HFPO-DA	99.3		40 - 130	03/03/26 20:21	03/05/26 07:24	1
d7-N-MeFOSE-M	61.4		10 - 130	03/03/26 20:21	03/05/26 07:24	1
d9-N-EtFOSE-M	59.9		10 - 130	03/03/26 20:21	03/05/26 07:24	1
d5-NEtPFOSA	63.9		10 - 130	03/03/26 20:21	03/05/26 07:24	1
d3-NMePFOSA	64.5		10 - 130	03/03/26 20:21	03/05/26 07:24	1

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Pump Blank

Lab Sample ID: 320-130286-2

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.9	0.73	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorohexanoic acid (PFHxA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluoroheptanoic acid (PFHpA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorooctanoic acid (PFOA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorononanoic acid (PFNA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.40	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.42	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.59	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.39	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.39	ng/L		03/03/26 20:21	03/05/26 07:41	1
4:2 FTS	ND		2.9	0.73	ng/L		03/03/26 20:21	03/05/26 07:41	1
6:2 FTS	1.0 J		2.9	0.73	ng/L		03/03/26 20:21	03/05/26 07:41	1
8:2 FTS	ND		2.9	0.73	ng/L		03/03/26 20:21	03/05/26 07:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NMeFOSA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NEtFOSA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NMeFOSAA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NEtFOSAA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NMeFOSE	ND		7.3	1.8	ng/L		03/03/26 20:21	03/05/26 07:41	1
NEtFOSE	ND		7.3	1.8	ng/L		03/03/26 20:21	03/05/26 07:41	1
HFPO-DA (GenX)	ND		1.1	0.28	ng/L		03/03/26 20:21	03/05/26 07:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
PFMPA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
PFMBA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
NFDHA	ND		1.5	0.53	ng/L		03/03/26 20:21	03/05/26 07:41	1
9CI-PF3ONS	ND		1.5	0.42	ng/L		03/03/26 20:21	03/05/26 07:41	1
11CI-PF3OUdS	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
PFEESA	ND		1.5	0.36	ng/L		03/03/26 20:21	03/05/26 07:41	1
3:3 FTCA	ND		2.9	0.73	ng/L		03/03/26 20:21	03/05/26 07:41	1
5:3 FTCA	ND		7.3	1.8	ng/L		03/03/26 20:21	03/05/26 07:41	1
7:3 FTCA	ND		7.3	1.8	ng/L		03/03/26 20:21	03/05/26 07:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		5 - 130	03/03/26 20:21	03/05/26 07:41	1
13C5 PFPeA	96.7		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C5 PFHxA	89.0		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C4 PFHpA	92.4		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C8 PFOA	100		40 - 130	03/03/26 20:21	03/05/26 07:41	1

Eurofins Sacramento

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Pump Blank

Lab Sample ID: 320-130286-2

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	97.4		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C6 PFDA	98.2		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C7 PFUnA	107		30 - 130	03/03/26 20:21	03/05/26 07:41	1
13C2 PFDoA	98.6		10 - 130	03/03/26 20:21	03/05/26 07:41	1
13C2 PFTeDA	73.9		10 - 130	03/03/26 20:21	03/05/26 07:41	1
13C3 PFBS	97.2		40 - 135	03/03/26 20:21	03/05/26 07:41	1
13C3 PFHxS	98.6		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C8 PFOS	89.6		40 - 130	03/03/26 20:21	03/05/26 07:41	1
13C8 FOSA	69.2		40 - 130	03/03/26 20:21	03/05/26 07:41	1
d3-NMeFOSAA	121		40 - 170	03/03/26 20:21	03/05/26 07:41	1
d5-NEtFOSAA	101		25 - 135	03/03/26 20:21	03/05/26 07:41	1
13C2 4:2 FTS	130		40 - 200	03/03/26 20:21	03/05/26 07:41	1
13C2 6:2 FTS	125		40 - 200	03/03/26 20:21	03/05/26 07:41	1
13C2 8:2 FTS	136		40 - 300	03/03/26 20:21	03/05/26 07:41	1
13C3 HFPO-DA	91.6		40 - 130	03/03/26 20:21	03/05/26 07:41	1
d7-N-MeFOSE-M	60.0		10 - 130	03/03/26 20:21	03/05/26 07:41	1
d9-N-EtFOSE-M	56.7		10 - 130	03/03/26 20:21	03/05/26 07:41	1
d5-NEtPFOSA	64.8		10 - 130	03/03/26 20:21	03/05/26 07:41	1
d3-NMePFOSA	65.0		10 - 130	03/03/26 20:21	03/05/26 07:41	1

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Decon Blank

Lab Sample ID: 320-130286-3

Date Collected: 02/24/26 13:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.0	0.76	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorohexanoic acid (PFHxA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluoroheptanoic acid (PFHpA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorooctanoic acid (PFOA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorononanoic acid (PFNA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.42	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.44	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.62	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.41	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.40	ng/L		03/03/26 20:21	03/05/26 07:57	1
4:2 FTS	ND		3.0	0.76	ng/L		03/03/26 20:21	03/05/26 07:57	1
6:2 FTS	ND		3.0	0.76	ng/L		03/03/26 20:21	03/05/26 07:57	1
8:2 FTS	ND		3.0	0.76	ng/L		03/03/26 20:21	03/05/26 07:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NMeFOSA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NEtFOSA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NMeFOSAA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NEtFOSAA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NMeFOSE	ND		7.6	1.9	ng/L		03/03/26 20:21	03/05/26 07:57	1
NEtFOSE	ND		7.6	1.9	ng/L		03/03/26 20:21	03/05/26 07:57	1
HFPO-DA (GenX)	ND		1.1	0.30	ng/L		03/03/26 20:21	03/05/26 07:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
PFMPA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
PFMBA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
NFDHA	ND		1.5	0.55	ng/L		03/03/26 20:21	03/05/26 07:57	1
9Cl-PF3ONS	ND		1.5	0.44	ng/L		03/03/26 20:21	03/05/26 07:57	1
11Cl-PF3OUdS	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
PFEESA	ND		1.5	0.38	ng/L		03/03/26 20:21	03/05/26 07:57	1
3:3 FTCA	ND		3.0	0.76	ng/L		03/03/26 20:21	03/05/26 07:57	1
5:3 FTCA	ND		7.6	1.9	ng/L		03/03/26 20:21	03/05/26 07:57	1
7:3 FTCA	ND		7.6	1.9	ng/L		03/03/26 20:21	03/05/26 07:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	112		5 - 130	03/03/26 20:21	03/05/26 07:57	1
13C5 PFPeA	78.7		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C5 PFHxA	107		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C4 PFHpA	98.8		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C8 PFOA	100		40 - 130	03/03/26 20:21	03/05/26 07:57	1

Eurofins Sacramento

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Decon Blank

Lab Sample ID: 320-130286-3

Date Collected: 02/24/26 13:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	104		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C6 PFDA	102		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C7 PFUnA	91.9		30 - 130	03/03/26 20:21	03/05/26 07:57	1
13C2 PFDoA	87.6		10 - 130	03/03/26 20:21	03/05/26 07:57	1
13C2 PFTeDA	73.9		10 - 130	03/03/26 20:21	03/05/26 07:57	1
13C3 PFBS	95.1		40 - 135	03/03/26 20:21	03/05/26 07:57	1
13C3 PFHxS	100		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C8 PFOS	89.4		40 - 130	03/03/26 20:21	03/05/26 07:57	1
13C8 FOSA	65.5		40 - 130	03/03/26 20:21	03/05/26 07:57	1
d3-NMeFOSAA	115		40 - 170	03/03/26 20:21	03/05/26 07:57	1
d5-NEtFOSAA	86.9		25 - 135	03/03/26 20:21	03/05/26 07:57	1
13C2 4:2 FTS	112		40 - 200	03/03/26 20:21	03/05/26 07:57	1
13C2 6:2 FTS	131		40 - 200	03/03/26 20:21	03/05/26 07:57	1
13C2 8:2 FTS	132		40 - 300	03/03/26 20:21	03/05/26 07:57	1
13C3 HFPO-DA	97.3		40 - 130	03/03/26 20:21	03/05/26 07:57	1
d7-N-MeFOSE-M	58.7		10 - 130	03/03/26 20:21	03/05/26 07:57	1
d9-N-EtFOSE-M	54.7		10 - 130	03/03/26 20:21	03/05/26 07:57	1
d5-NEtPFOSA	59.5		10 - 130	03/03/26 20:21	03/05/26 07:57	1
d3-NMePFOSA	60.5		10 - 130	03/03/26 20:21	03/05/26 07:57	1

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: SMW-4

Lab Sample ID: 320-130286-4

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.8	0.70	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluoropentanoic acid (PFPeA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorohexanoic acid (PFHxA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluoroheptanoic acid (PFHpA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorooctanoic acid (PFOA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorononanoic acid (PFNA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.39	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.41	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.57	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.4	0.38	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.37	ng/L		03/03/26 20:21	03/05/26 08:14	1
4:2 FTS	ND		2.8	0.70	ng/L		03/03/26 20:21	03/05/26 08:14	1
6:2 FTS	ND		2.8	0.70	ng/L		03/03/26 20:21	03/05/26 08:14	1
8:2 FTS	ND		2.8	0.70	ng/L		03/03/26 20:21	03/05/26 08:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NMeFOSA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NEtFOSA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NMeFOSAA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NEtFOSAA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NMeFOSE	ND		7.0	1.8	ng/L		03/03/26 20:21	03/05/26 08:14	1
NEtFOSE	ND		7.0	1.8	ng/L		03/03/26 20:21	03/05/26 08:14	1
HFPO-DA (GenX)	ND		1.1	0.27	ng/L		03/03/26 20:21	03/05/26 08:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
PFMPA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
PFMBA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
NFDHA	ND		1.4	0.51	ng/L		03/03/26 20:21	03/05/26 08:14	1
9Cl-PF3ONS	ND		1.4	0.41	ng/L		03/03/26 20:21	03/05/26 08:14	1
11Cl-PF3OUdS	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
PFEESA	ND		1.4	0.35	ng/L		03/03/26 20:21	03/05/26 08:14	1
3:3 FTCA	ND		2.8	0.70	ng/L		03/03/26 20:21	03/05/26 08:14	1
5:3 FTCA	ND		7.0	1.8	ng/L		03/03/26 20:21	03/05/26 08:14	1
7:3 FTCA	ND		7.0	1.8	ng/L		03/03/26 20:21	03/05/26 08:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.3		5 - 130	03/03/26 20:21	03/05/26 08:14	1
13C5 PFPeA	83.2		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C5 PFHxA	93.1		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C4 PFHpA	87.1		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C8 PFOA	99.1		40 - 130	03/03/26 20:21	03/05/26 08:14	1

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Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: SMW-4

Lab Sample ID: 320-130286-4

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	108		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C6 PFDA	102		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C7 PFUnA	114		30 - 130	03/03/26 20:21	03/05/26 08:14	1
13C2 PFDoA	110		10 - 130	03/03/26 20:21	03/05/26 08:14	1
13C2 PFTeDA	103		10 - 130	03/03/26 20:21	03/05/26 08:14	1
13C3 PFBS	81.6		40 - 135	03/03/26 20:21	03/05/26 08:14	1
13C3 PFHxS	93.5		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C8 PFOS	90.4		40 - 130	03/03/26 20:21	03/05/26 08:14	1
13C8 FOSA	86.9		40 - 130	03/03/26 20:21	03/05/26 08:14	1
d3-NMeFOSAA	120		40 - 170	03/03/26 20:21	03/05/26 08:14	1
d5-NEtFOSAA	101		25 - 135	03/03/26 20:21	03/05/26 08:14	1
13C2 4:2 FTS	117		40 - 200	03/03/26 20:21	03/05/26 08:14	1
13C2 6:2 FTS	133		40 - 200	03/03/26 20:21	03/05/26 08:14	1
13C2 8:2 FTS	113		40 - 300	03/03/26 20:21	03/05/26 08:14	1
13C3 HFPO-DA	88.9		40 - 130	03/03/26 20:21	03/05/26 08:14	1
d7-N-MeFOSE-M	76.1		10 - 130	03/03/26 20:21	03/05/26 08:14	1
d9-N-EtFOSE-M	74.0		10 - 130	03/03/26 20:21	03/05/26 08:14	1
d5-NEtPFOSA	73.2		10 - 130	03/03/26 20:21	03/05/26 08:14	1
d3-NMePFOSA	72.8		10 - 130	03/03/26 20:21	03/05/26 08:14	1

Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Hydrassleeve Blank

Lab Sample ID: 320-130286-5

Date Collected: 02/24/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.0	0.74	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorohexanoic acid (PFHxA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluoroheptanoic acid (PFHpA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorooctanoic acid (PFOA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorononanoic acid (PFNA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.41	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.43	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.60	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.40	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.39	ng/L		03/03/26 20:21	03/05/26 08:30	1
4:2 FTS	ND		3.0	0.74	ng/L		03/03/26 20:21	03/05/26 08:30	1
6:2 FTS	ND		3.0	0.74	ng/L		03/03/26 20:21	03/05/26 08:30	1
8:2 FTS	ND		3.0	0.74	ng/L		03/03/26 20:21	03/05/26 08:30	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NMeFOSA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NEtFOSA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NMeFOSAA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NEtFOSAA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NMeFOSE	ND		7.4	1.9	ng/L		03/03/26 20:21	03/05/26 08:30	1
NEtFOSE	ND		7.4	1.9	ng/L		03/03/26 20:21	03/05/26 08:30	1
HFPO-DA (GenX)	ND		1.1	0.29	ng/L		03/03/26 20:21	03/05/26 08:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
PFMPA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
PFMBA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
NFDHA	ND		1.5	0.53	ng/L		03/03/26 20:21	03/05/26 08:30	1
9Cl-PF3ONS	ND		1.5	0.43	ng/L		03/03/26 20:21	03/05/26 08:30	1
11Cl-PF3OUdS	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
PFEESA	ND		1.5	0.37	ng/L		03/03/26 20:21	03/05/26 08:30	1
3:3 FTCA	ND		3.0	0.74	ng/L		03/03/26 20:21	03/05/26 08:30	1
5:3 FTCA	ND		7.4	1.9	ng/L		03/03/26 20:21	03/05/26 08:30	1
7:3 FTCA	ND		7.4	1.9	ng/L		03/03/26 20:21	03/05/26 08:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		5 - 130				03/03/26 20:21	03/05/26 08:30	1
13C5 PFPeA	98.3		40 - 130				03/03/26 20:21	03/05/26 08:30	1
13C5 PFHxA	106		40 - 130				03/03/26 20:21	03/05/26 08:30	1
13C4 PFHpA	106		40 - 130				03/03/26 20:21	03/05/26 08:30	1
13C8 PFOA	90.4		40 - 130				03/03/26 20:21	03/05/26 08:30	1

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Client Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Hydrassleeve Blank

Lab Sample ID: 320-130286-5

Date Collected: 02/24/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C9 PFNA	95.5		40 - 130	03/03/26 20:21	03/05/26 08:30	1
13C6 PFDA	91.7		40 - 130	03/03/26 20:21	03/05/26 08:30	1
13C7 PFUnA	84.7		30 - 130	03/03/26 20:21	03/05/26 08:30	1
13C2 PFDoA	74.2		10 - 130	03/03/26 20:21	03/05/26 08:30	1
13C2 PFTeDA	72.9		10 - 130	03/03/26 20:21	03/05/26 08:30	1
13C3 PFBS	98.5		40 - 135	03/03/26 20:21	03/05/26 08:30	1
13C3 PFHxS	94.2		40 - 130	03/03/26 20:21	03/05/26 08:30	1
13C8 PFOS	94.2		40 - 130	03/03/26 20:21	03/05/26 08:30	1
13C8 FOSA	69.7		40 - 130	03/03/26 20:21	03/05/26 08:30	1
d3-NMeFOSAA	110		40 - 170	03/03/26 20:21	03/05/26 08:30	1
d5-NEtFOSAA	89.8		25 - 135	03/03/26 20:21	03/05/26 08:30	1
13C2 4:2 FTS	114		40 - 200	03/03/26 20:21	03/05/26 08:30	1
13C2 6:2 FTS	138		40 - 200	03/03/26 20:21	03/05/26 08:30	1
13C2 8:2 FTS	115		40 - 300	03/03/26 20:21	03/05/26 08:30	1
13C3 HFPO-DA	104		40 - 130	03/03/26 20:21	03/05/26 08:30	1
d7-N-MeFOSE-M	62.8		10 - 130	03/03/26 20:21	03/05/26 08:30	1
d9-N-EtFOSE-M	58.6		10 - 130	03/03/26 20:21	03/05/26 08:30	1
d5-NEtPFOSA	63.8		10 - 130	03/03/26 20:21	03/05/26 08:30	1
d3-NMePFOSA	61.0		10 - 130	03/03/26 20:21	03/05/26 08:30	1

Isotope Dilution Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
320-130286-1	Blank	108	93.7	103	94.4	101	99.0	105	107
320-130286-2	Pump Blank	103	96.7	89.0	92.4	100	97.4	98.2	107
320-130286-3	Decon Blank	112	78.7	107	98.8	100	104	102	91.9
320-130286-4	SMW-4	96.3	83.2	93.1	87.1	99.1	108	102	114
320-130286-5	Hydrassleeve Blank	108	98.3	106	106	90.4	95.5	91.7	84.7
LCS 320-904522/3-A	Lab Control Sample	107	104	90.9	101	103	109	95.7	118
LCSD 320-904522/4-A	Lab Control Sample Dup	99.9	107	114	116	111	101	105	115
LLCS 320-904522/2-A	Lab Control Sample	104	99.9	118	113	103	106	100	115
LLCS 320-904522/2-A - RA	Lab Control Sample		118						
MB 320-904522/1-A	Method Blank	111	80.8	103	90.5	99.3	99.5	91.5	99.2
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDaA (10-130)	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)
320-130286-1	Blank	93.4	90.3	90.0	88.4	99.2	71.6	108	94.0
320-130286-2	Pump Blank	98.6	73.9	97.2	98.6	89.6	69.2	121	101
320-130286-3	Decon Blank	87.6	73.9	95.1	100	89.4	65.5	115	86.9
320-130286-4	SMW-4	110	103	81.6	93.5	90.4	86.9	120	101
320-130286-5	Hydrassleeve Blank	74.2	72.9	98.5	94.2	94.2	69.7	110	89.8
LCS 320-904522/3-A	Lab Control Sample	110	95.9	103	98.2	101	89.5	128	111
LCSD 320-904522/4-A	Lab Control Sample Dup	97.9	86.4	91.5	94.8	101	77.6	124	97.0
LLCS 320-904522/2-A	Lab Control Sample	103	83.4	96.4	97.0	102	75.8	123	105
LLCS 320-904522/2-A - RA	Lab Control Sample								
MB 320-904522/1-A	Method Blank	89.0	67.2	92.1	93.9	96.5	65.5	114	86.4
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
320-130286-1	Blank	98.3	123	128	99.3	61.4	59.9	63.9	64.5
320-130286-2	Pump Blank	130	125	136	91.6	60.0	56.7	64.8	65.0
320-130286-3	Decon Blank	112	131	132	97.3	58.7	54.7	59.5	60.5
320-130286-4	SMW-4	117	133	113	88.9	76.1	74.0	73.2	72.8
320-130286-5	Hydrassleeve Blank	114	138	115	104	62.8	58.6	63.8	61.0
LCS 320-904522/3-A	Lab Control Sample	125	144	141	100	84.8	83.9	82.3	79.1
LCSD 320-904522/4-A	Lab Control Sample Dup	126	140	126	107	75.4	71.3	74.1	74.0
LLCS 320-904522/2-A	Lab Control Sample	125	138	130	111	68.9	68.6	75.4	75.2
LLCS 320-904522/2-A - RA	Lab Control Sample								
MB 320-904522/1-A	Method Blank	131	140	122	84.3	56.8	52.7	60.0	57.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS

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Isotope Dilution Summary

Client: Strata Geosciences

Project/Site: Snipes Mtn

C3PFHS = 13C3 PFHxS

C8PFOS = 13C8 PFOS

PFOSA = 13C8 FOSA

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M242FTS = 13C2 4:2 FTS

M262FTS = 13C2 6:2 FTS

M282FTS = 13C2 8:2 FTS

HFPODA = 13C3 HFPO-DA

NMFM = d7-N-MeFOSE-M

NEFM = d9-N-EtFOSE-M

d5NPFSA = d5-NEtPFOSA

d3NMFSA = d3-NMePFOSA

Job ID: 320-130286-1

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QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 320-904522/1-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 904522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.0	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.58	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.81	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.54	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.53	ng/L		03/03/26 20:21	03/05/26 05:46	1
4:2 FTS	ND		4.0	1.0	ng/L		03/03/26 20:21	03/05/26 05:46	1
6:2 FTS	ND		4.0	1.0	ng/L		03/03/26 20:21	03/05/26 05:46	1
8:2 FTS	ND		4.0	1.0	ng/L		03/03/26 20:21	03/05/26 05:46	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NMeFOSA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NEtFOSA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NMeFOSAA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NEtFOSAA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NMeFOSE	ND		10	2.5	ng/L		03/03/26 20:21	03/05/26 05:46	1
NEtFOSE	ND		10	2.5	ng/L		03/03/26 20:21	03/05/26 05:46	1
HFPO-DA (GenX)	ND		1.5	0.39	ng/L		03/03/26 20:21	03/05/26 05:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
PFMPA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
PFMBA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
NFDHA	ND		2.0	0.72	ng/L		03/03/26 20:21	03/05/26 05:46	1
9Cl-PF3ONS	ND		2.0	0.58	ng/L		03/03/26 20:21	03/05/26 05:46	1
11Cl-PF3OUdS	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
PFEESA	ND		2.0	0.50	ng/L		03/03/26 20:21	03/05/26 05:46	1
3:3 FTCA	ND		4.0	1.0	ng/L		03/03/26 20:21	03/05/26 05:46	1
5:3 FTCA	ND		10	2.5	ng/L		03/03/26 20:21	03/05/26 05:46	1
7:3 FTCA	ND		10	2.5	ng/L		03/03/26 20:21	03/05/26 05:46	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	111		5 - 130	03/03/26 20:21	03/05/26 05:46	1
13C5 PFPeA	80.8		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C5 PFHxA	103		40 - 130	03/03/26 20:21	03/05/26 05:46	1

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QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 320-904522/1-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 904522

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	90.5		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C8 PFOA	99.3		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C9 PFNA	99.5		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C6 PFDA	91.5		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C7 PFUnA	99.2		30 - 130	03/03/26 20:21	03/05/26 05:46	1
13C2 PFDoA	89.0		10 - 130	03/03/26 20:21	03/05/26 05:46	1
13C2 PFTeDA	67.2		10 - 130	03/03/26 20:21	03/05/26 05:46	1
13C3 PFBS	92.1		40 - 135	03/03/26 20:21	03/05/26 05:46	1
13C3 PFHxS	93.9		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C8 PFOS	96.5		40 - 130	03/03/26 20:21	03/05/26 05:46	1
13C8 FOSA	65.5		40 - 130	03/03/26 20:21	03/05/26 05:46	1
d3-NMeFOSAA	114		40 - 170	03/03/26 20:21	03/05/26 05:46	1
d5-NEtFOSAA	86.4		25 - 135	03/03/26 20:21	03/05/26 05:46	1
13C2 4:2 FTS	131		40 - 200	03/03/26 20:21	03/05/26 05:46	1
13C2 6:2 FTS	140		40 - 200	03/03/26 20:21	03/05/26 05:46	1
13C2 8:2 FTS	122		40 - 300	03/03/26 20:21	03/05/26 05:46	1
13C3 HFPO-DA	84.3		40 - 130	03/03/26 20:21	03/05/26 05:46	1
d7-N-MeFOSE-M	56.8		10 - 130	03/03/26 20:21	03/05/26 05:46	1
d9-N-EtFOSE-M	52.7		10 - 130	03/03/26 20:21	03/05/26 05:46	1
d5-NEtPFOSA	60.0		10 - 130	03/03/26 20:21	03/05/26 05:46	1
d3-NMePFOSA	57.7		10 - 130	03/03/26 20:21	03/05/26 05:46	1

Lab Sample ID: LCS 320-904522/3-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	90.9		ng/L		114	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	49.9		ng/L		125	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	49.5		ng/L		124	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	45.7		ng/L		114	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	46.6		ng/L		117	70 - 150
Perfluorononanoic acid (PFNA)	40.0	42.5		ng/L		106	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	52.7		ng/L		132	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	42.0		ng/L		105	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	46.4		ng/L		116	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	47.8		ng/L		119	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	48.1		ng/L		120	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	33.7		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	44.1		ng/L		117	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	39.8		ng/L		109	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.4		ng/L		101	70 - 150

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QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 320-904522/3-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	37.2	36.3		ng/L		97	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	40.0		ng/L		104	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	38.8		ng/L		101	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.1		ng/L		93	50 - 145
4:2 FTS	75.0	69.9		ng/L		93	70 - 145
6:2 FTS	76.2	81.7		ng/L		107	65 - 155
8:2 FTS	76.8	84.5		ng/L		110	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	42.8		ng/L		107	70 - 145
NMeFOSA	40.0	42.7		ng/L		107	60 - 150
NEtFOSA	40.0	40.9		ng/L		102	65 - 145
NMeFOSAA	40.0	41.5		ng/L		104	50 - 140
NEtFOSAA	40.0	42.4		ng/L		106	70 - 145
NMeFOSE	200	227		ng/L		114	70 - 145
NEtFOSE	200	234		ng/L		117	70 - 135
HFPO-DA (GenX)	30.0	30.1		ng/L		100	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	42.0		ng/L		111	65 - 145
PFMPA	40.0	43.5		ng/L		109	55 - 140
PFMBA	40.0	39.1		ng/L		98	60 - 150
NFDHA	40.0	45.1		ng/L		113	50 - 150
9Cl-PF3ONS	37.4	37.4		ng/L		100	70 - 155
11Cl-PF3OUdS	37.8	39.8		ng/L		105	55 - 160
PFEESA	35.7	45.6		ng/L		128	70 - 140
3:3 FTCA	80.0	83.6		ng/L		105	65 - 130
5:3 FTCA	200	234		ng/L		117	70 - 135
7:3 FTCA	200	221		ng/L		110	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	107		5 - 130
13C5 PFPeA	104		40 - 130
13C5 PFHxA	90.9		40 - 130
13C4 PFHpA	101		40 - 130
13C8 PFOA	103		40 - 130
13C9 PFNA	109		40 - 130
13C6 PFDA	95.7		40 - 130
13C7 PFUnA	118		30 - 130
13C2 PFDoA	110		10 - 130
13C2 PFTeDA	95.9		10 - 130
13C3 PFBS	103		40 - 135
13C3 PFHxS	98.2		40 - 130
13C8 PFOS	101		40 - 130
13C8 FOSA	89.5		40 - 130
d3-NMeFOSAA	128		40 - 170
d5-NEtFOSAA	111		25 - 135
13C2 4:2 FTS	125		40 - 200

Eurofins Sacramento

QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 320-904522/3-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
13C2 6:2 FTS	144		40 - 200
13C2 8:2 FTS	141		40 - 300
13C3 HFPO-DA	100		40 - 130
d7-N-MeFOSE-M	84.8		10 - 130
d9-N-EtFOSE-M	83.9		10 - 130
d5-NEtPFOSA	82.3		10 - 130
d3-NMePFOSA	79.1		10 - 130

Lab Sample ID: LCSD 320-904522/4-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 904522

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Perfluorobutanoic acid (PFBA)	80.0	96.3		ng/L		120	70 - 140	6	30
Perfluoropentanoic acid (PFPeA)	40.0	48.8		ng/L		122	65 - 135	2	30
Perfluorohexanoic acid (PFHxA)	40.0	45.0		ng/L		112	70 - 145	10	30
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		99	70 - 150	14	30
Perfluorooctanoic acid (PFOA)	40.0	46.8		ng/L		117	70 - 150	0	30
Perfluorononanoic acid (PFNA)	40.0	43.8		ng/L		109	70 - 150	3	30
Perfluorodecanoic acid (PFDA)	40.0	55.3		ng/L		138	70 - 140	5	30
Perfluoroundecanoic acid (PFUnA)	40.0	42.5		ng/L		106	70 - 145	1	30
Perfluorododecanoic acid (PFDoA)	40.0	50.2		ng/L		126	70 - 140	8	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	45.0		ng/L		112	65 - 140	6	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	46.9		ng/L		117	60 - 140	2	30
Perfluorobutanesulfonic acid (PFBS)	35.5	41.0		ng/L		115	60 - 145	20	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	47.1		ng/L		125	65 - 140	7	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	41.0		ng/L		113	65 - 145	3	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.4		ng/L		108	70 - 150	8	30
Perfluorooctanesulfonic acid (PFOS)	37.2	38.8		ng/L		104	55 - 150	7	30
Perfluorononanesulfonic acid (PFNS)	38.5	42.4		ng/L		110	65 - 145	6	30
Perfluorodecanesulfonic acid (PFDS)	38.6	35.9		ng/L		93	60 - 145	8	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	29.6		ng/L		76	50 - 145	20	30
4:2 FTS	75.0	76.8		ng/L		102	70 - 145	10	30
6:2 FTS	76.2	74.3		ng/L		98	65 - 155	9	30
8:2 FTS	76.8	76.2		ng/L		99	60 - 150	10	30
Perfluorooctanesulfonamide (PFOSA)	40.0	43.7		ng/L		109	70 - 145	2	30
NMeFOSA	40.0	43.9		ng/L		110	60 - 150	3	30
NEtFOSA	40.0	42.6		ng/L		107	65 - 145	4	30
NMeFOSAA	40.0	42.1		ng/L		105	50 - 140	1	30

Eurofins Sacramento

QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 320-904522/4-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 904522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA	40.0	43.7		ng/L		109	70 - 145	3	30
NMeFOSE	200	227		ng/L		114	70 - 145	0	30
NEtFOSE	200	238		ng/L		119	70 - 135	2	30
HFPO-DA (GenX)	30.0	30.0		ng/L		100	70 - 140	0	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	45.5		ng/L		120	65 - 145	8	30
PFMPA	40.0	51.3		ng/L		128	55 - 140	16	30
PFMBA	40.0	45.7		ng/L		114	60 - 150	16	30
NFDHA	40.0	54.2		ng/L		135	50 - 150	18	30
9Cl-PF3ONS	37.4	39.0		ng/L		105	70 - 155	4	30
11Cl-PF3OUdS	37.8	32.6		ng/L		86	55 - 160	20	30
PFEESA	35.7	41.6		ng/L		117	70 - 140	9	30
3:3 FTCA	80.0	91.9		ng/L		115	65 - 130	10	30
5:3 FTCA	200	216		ng/L		108	70 - 135	8	30
7:3 FTCA	200	198		ng/L		99	50 - 145	11	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	99.9		5 - 130
13C5 PFPeA	107		40 - 130
13C5 PFHxA	114		40 - 130
13C4 PFHpA	116		40 - 130
13C8 PFOA	111		40 - 130
13C9 PFNA	101		40 - 130
13C6 PFDA	105		40 - 130
13C7 PFUnA	115		30 - 130
13C2 PFDoA	97.9		10 - 130
13C2 PFTeDA	86.4		10 - 130
13C3 PFBS	91.5		40 - 135
13C3 PFHxS	94.8		40 - 130
13C8 PFOS	101		40 - 130
13C8 FOSA	77.6		40 - 130
d3-NMeFOSAA	124		40 - 170
d5-NEtFOSAA	97.0		25 - 135
13C2 4:2 FTS	126		40 - 200
13C2 6:2 FTS	140		40 - 200
13C2 8:2 FTS	126		40 - 300
13C3 HFPO-DA	107		40 - 130
d7-N-MeFOSE-M	75.4		10 - 130
d9-N-EtFOSE-M	71.3		10 - 130
d5-NEtPFOSA	74.1		10 - 130
d3-NMePFOSA	74.0		10 - 130

Lab Sample ID: LLCS 320-904522/2-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	9.45		ng/L		118	70 - 140
Perfluorohexanoic acid (PFHxA)	4.00	4.48		ng/L		112	70 - 145

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QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 320-904522/2-A

Matrix: Water

Analysis Batch: 904762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	4.00	4.11		ng/L		103	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	5.05		ng/L		126	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.43		ng/L		111	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.63		ng/L		116	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.98		ng/L		99	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.25		ng/L		106	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.87		ng/L		97	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.30		ng/L		108	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.77		ng/L		106	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.48		ng/L		119	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.95		ng/L		108	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.95		ng/L		103	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.93		ng/L		106	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.57		ng/L		93	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.26		ng/L		85	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.67		ng/L		69	50 - 145
4:2 FTS	7.50	6.92		ng/L		92	70 - 145
6:2 FTS	7.62	7.17		ng/L		94	65 - 155
8:2 FTS	7.68	7.78		ng/L		101	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.03		ng/L		101	70 - 145
NMeFOSA	4.00	3.96		ng/L		99	60 - 150
NEtFOSA	4.00	3.92		ng/L		98	65 - 145
NMeFOSAA	4.00	3.97		ng/L		99	50 - 140
NEtFOSAA	4.00	4.15		ng/L		104	70 - 145
NMeFOSE	20.0	20.2		ng/L		101	70 - 145
NEtFOSE	20.0	20.1		ng/L		100	70 - 135
HFPO-DA (GenX)	3.00	2.90		ng/L		97	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	4.46		ng/L		118	65 - 145
PFMPA	4.00	5.31		ng/L		133	55 - 140
PFMBA	4.00	5.36		ng/L		134	60 - 150
NFDHA	4.00	3.56		ng/L		89	50 - 150
9Cl-PF3ONS	3.74	3.60		ng/L		96	70 - 155
11Cl-PF3OUdS	3.78	3.08		ng/L		82	55 - 160
PFEESA	3.57	3.95		ng/L		111	70 - 140
3:3 FTCA	8.00	10.2		ng/L		127	65 - 130
5:3 FTCA	20.0	20.9		ng/L		104	70 - 135
7:3 FTCA	20.0	19.1		ng/L		96	50 - 145

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QC Sample Results

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	104		5 - 130
13C5 PFPeA	99.9		40 - 130
13C5 PFHxA	118		40 - 130
13C4 PFHpA	113		40 - 130
13C8 PFOA	103		40 - 130
13C9 PFNA	106		40 - 130
13C6 PFDA	100		40 - 130
13C7 PFUnA	115		30 - 130
13C2 PFDoA	103		10 - 130
13C2 PFTeDA	83.4		10 - 130
13C3 PFBS	96.4		40 - 135
13C3 PFHxS	97.0		40 - 130
13C8 PFOS	102		40 - 130
13C8 FOSA	75.8		40 - 130
d3-NMeFOSAA	123		40 - 170
d5-NEtFOSAA	105		25 - 135
13C2 4:2 FTS	125		40 - 200
13C2 6:2 FTS	138		40 - 200
13C2 8:2 FTS	130		40 - 300
13C3 HFPO-DA	111		40 - 130
d7-N-MeFOSE-M	68.9		10 - 130
d9-N-EtFOSE-M	68.6		10 - 130
d5-NEtPFOSA	75.4		10 - 130
d3-NMePFOSA	75.2		10 - 130

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A - RA

Lab Sample ID: LLCS 320-904522/2-A

Matrix: Water

Analysis Batch: 904921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 904522

Analyte			Spike	LLCS	LLCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Perfluoropentanoic acid (PFPeA) - RA			4.00	3.80		ng/L		95	65 - 135		

QC Association Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

LCMS

Prep Batch: 904522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-130286-1	Blank	Total/NA	Water	1633A	
320-130286-2	Pump Blank	Total/NA	Water	1633A	
320-130286-3	Decon Blank	Total/NA	Water	1633A	
320-130286-4	SMW-4	Total/NA	Water	1633A	
320-130286-5	Hydrassleeve Blank	Total/NA	Water	1633A	
MB 320-904522/1-A	Method Blank	Total/NA	Water	1633A	
LCS 320-904522/3-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 320-904522/4-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 320-904522/2-A - RA	Lab Control Sample	Total/NA	Water	1633A	
LLCS 320-904522/2-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 904762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-130286-1	Blank	Total/NA	Water	1633A	904522
320-130286-2	Pump Blank	Total/NA	Water	1633A	904522
320-130286-3	Decon Blank	Total/NA	Water	1633A	904522
320-130286-4	SMW-4	Total/NA	Water	1633A	904522
320-130286-5	Hydrassleeve Blank	Total/NA	Water	1633A	904522
MB 320-904522/1-A	Method Blank	Total/NA	Water	1633A	904522
LCS 320-904522/3-A	Lab Control Sample	Total/NA	Water	1633A	904522
LCSD 320-904522/4-A	Lab Control Sample Dup	Total/NA	Water	1633A	904522
LLCS 320-904522/2-A	Lab Control Sample	Total/NA	Water	1633A	904522

Analysis Batch: 904921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 320-904522/2-A - RA	Lab Control Sample	Total/NA	Water	1633A	904522

Lab Chronicle

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Client Sample ID: Blank

Lab Sample ID: 320-130286-1

Date Collected: 02/23/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633A			173.3 mL	5.0 mL	904522	03/03/26 20:21	CJS	EET SAC
Total/NA	Analysis	1633A		1			904762	03/05/26 07:24	K1S	EET SAC

Client Sample ID: Pump Blank

Lab Sample ID: 320-130286-2

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633A			171.3 mL	5.0 mL	904522	03/03/26 20:21	CJS	EET SAC
Total/NA	Analysis	1633A		1			904762	03/05/26 07:41	K1S	EET SAC

Client Sample ID: Decon Blank

Lab Sample ID: 320-130286-3

Date Collected: 02/24/26 13:45

Matrix: Water

Date Received: 03/02/26 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633A			164.6 mL	5.0 mL	904522	03/03/26 20:21	CJS	EET SAC
Total/NA	Analysis	1633A		1			904762	03/05/26 07:57	K1S	EET SAC

Client Sample ID: SMW-4

Lab Sample ID: 320-130286-4

Date Collected: 02/24/26 13:00

Matrix: Water

Date Received: 03/02/26 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633A			178.2 mL	5.0 mL	904522	03/03/26 20:21	CJS	EET SAC
Total/NA	Analysis	1633A		1			904762	03/05/26 08:14	K1S	EET SAC

Client Sample ID: Hydrassleeve Blank

Lab Sample ID: 320-130286-5

Date Collected: 02/24/26 18:45

Matrix: Water

Date Received: 03/02/26 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633A			168.5 mL	5.0 mL	904522	03/03/26 20:21	CJS	EET SAC
Total/NA	Analysis	1633A		1			904762	03/05/26 08:30	K1S	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins Sacramento

Accreditation/Certification Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C581	05-05-26

1
2
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4
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14

Method Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Method	Method Description	Protocol	Laboratory
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	EET SAC
1633A	Solid-Phase Extraction (SPE)	EPA	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Strata Geosciences
Project/Site: Snipes Mtn

Job ID: 320-130286-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
320-130286-1	Blank	Water	02/23/26 18:45	03/02/26 09:15	Washington
320-130286-2	Pump Blank	Water	02/24/26 13:00	03/02/26 09:15	Washington
320-130286-3	Decon Blank	Water	02/24/26 13:45	03/02/26 09:15	Washington
320-130286-4	SMW-4	Water	02/24/26 13:00	03/02/26 09:15	Washington
320-130286-5	Hydrassleeve Blank	Water	02/24/26 18:45	03/02/26 09:15	Washington

[illegible]

Strata Geosciences

January 30, 2026

Luke LeMond
Washington State Department of Ecology
1250 West Alder Street
Union Gap, WA 98903-0009

Re: Proposed and Scheduled Revisions to Remedial Investigation Sampling at Closed
Snipes Mountain Landfill, Agreed Order No. DE 22514

Dear Luke:

This memo reports on the results from the Remedial Investigation (RI) expanded analyte list as performed under the Closed Snipes Mountain Landfill Agreed Order (No. DE 22514, 2/29/2024) and recommends updated analyte lists at onsite RI monitoring wells north of the anticline (SMW-1, SMW-4, SMW-5s, SMW-5d) for the 2026 Quarter (Q)1, 2026 Q2, and ongoing quarterly RI monitoring events.

The Final RI Work Plan (Mott MacDonald 2025) specifies quarterly monitoring from 2025 Q1 through 2025 Q4 using the expanded analyte list, which includes WAC 173-351-990 Appendix I and II parameters, as well as 1,4-dioxane and PFAS, at four onsite RI monitoring wells at the Closed Snipes Mountain Landfill (Snipes), in addition to monitoring for volatile organic compounds (VOCs) at the O.L. Luther, Inc. well and the Washington Department of Natural Resources (DNR) house. The additional analytes per Table A1-1 of the Final RI Work Plan are:

- 1,4-Dioxane
- Alkalinity
- Chlorinated Phenols
- Dioxin/Furans
- Polycyclic aromatic hydrocarbons (PAHs)
- Pentachlorophenol
- Pesticides
- Per- and polyfluoroalkyl substances (PFAS)

- Semi-volatile organic compounds (SVOCs)

The water level was too low to sample well SMW-1 in 2025 Q2, Q3, and Q4. Therefore, continued sampling of the full RI expanded analyte list will continue for SMW-1 in 2026 Q1 and Q2. Because of fluctuations in the water elevation at SMW-1 due to irrigation well pumping, it is anticipated that a sample will not be collected in 2026 Q3.

Well SMW-2 continues to be sampled semiannually for the Minimum Functional Standards (MFS) parameters and VOCs.

In September 2025, Ecology approved a sampling modification recommendation that removed the analysis of 1,4-dioxane and dinoseb for SMW-5d and SMW-5s and was effective for sampling in 2025 Q3 and 2025 Q4.

1.0 PROPOSED REVISIONS TO RI SAMPLING AT CLOSED SNIPES MOUNTAIN LANDFILL

All proposed revisions to the sampling at onsite and offsite RI monitoring wells are shown in Table 1.

1.1 SMW-4

Onsite monitoring well SMW-4 was sampled for the RI expanded analyte list in 2025 Q1, 2025 Q3, and 2025 Q4 (Tables 2a, 2c, and 2d). In 2025 Q2, adequate pressure could not be achieved for the bladder pump in SMW-4 so the well could not be sampled.

We recommend discontinuing the analyses of chlorinated pesticides (EPA 8081B), dinoseb (SW8151/8321B), PAHs (EPA 8270E-SIM), SVOCs (EPA 8270E), and 1,4-dioxane at SMW-4 beginning in 2026 Q1 because these analytes were non-detect each time they were sampled in 2025. Dinoseb was inadvertently not sampled in 2025 Q3 but has not been detected at Snipes to date. Naphthalene is listed under the SVOCs analyte group in Tables 2a through 2d and was detected with a “B” qualifier in 2025 Q4, however, it is also included in EPA Method 8260D.

We also recommend discontinuing the analysis of Dioxins/Furans (EPA 1613B) at SMW-4 beginning in 2026 Q1. In 2025 Q3, orthochlorodibenzodioxin (OCDD) was detected in SMW-4 (8.40 pg/L) below the RL (50 pg/L) and is qualified with “B” because OCDD was detected in the method blank. There are no published Model Toxics Control Act (MTCA) criteria for OCDD (Ecology 2025) and there have been no other Dioxins/Furans detections at SMW-4.

Of the expanded analyte list, we recommend continuing to sample geochemical conditions including alkalinity (SM 2320 B-11) and PFAS (EPA 1633/1633A) in 2026 Q1 and 2026 Q2 (Table 1).

1.2 SMW-5D

Onsite monitoring well SMW-5d was sampled for the RI expanded analyte list in 2025 Q1 through 2025 Q4 (Tables 2a through 2d). In September 2025, Ecology approved a sampling modification recommendation that removed the analysis of 1,4-dioxane and dinoseb for SMW-5d. In accordance with this approval, 1,4-dioxane and dinoseb were not analyzed in 2025 Q3 and 2025 Q4 samples from SMW-5d and SMW-5s.

We propose to discontinue the analyses of chlorinated pesticides (EPA 8081B) and PAHs (EPA 8270E-SIM) at SMW-5d beginning in 2026 Q1 because these analytes were either non-detect each time they were sampled in 2025 or are included in other analytical methods (SMW-5d was sampled in all scheduled RI sampling events (Section 5.2 of Mott MacDonald 2025)).

We also recommend discontinuing the analysis of Dioxins/Furans (EPA 1613B) at SMW-5d beginning in 2026 Q1. In 2025 Q3, OCDD was detected in SMW-5d (5.66 pg/L) below the RL (47.7 pg/L) and is qualified with “EMPC” (Estimated Maximum Possible Concentration) and with “B” because OCDD was detected in the method blank. There is not a published MTCA criteria for OCDD (Ecology 2025) and there have been no other Dioxins/Furans detections at SMW-5d.

Of the expanded analyte list, we recommend continuing to sample geochemical conditions including alkalinity (SM 2320 B-11), PFAS (EPA 1633A), and SVOCs (EPA 8270E) in 2026 Q1 and 2026 Q2 (Table 1).

1.3 SMW-5S

Onsite monitoring well SMW-5s was sampled for the RI expanded analyte list in 2025 Q1 through 2025 Q4 (Tables 2a through 2d). In September 2025, Ecology approved a sampling modification recommendation that removed the analysis of 1,4-dioxane and dinoseb for SMW-5s and that was effective for sampling in 2025 Q3 and 2025 Q4. In 2025 Q4, the Hydrasleeve used to sample SMW-5s became stuck within the well during sampling. Sampling was not continued after dislodging the Hydrasleeve, so samples were not collected for chloride, sulfate, Dioxins/Furans, PAHs, chlorinated pesticides, and SVOCs.

We recommend discontinuing the analyses of chlorinated pesticides (EPA 8081B) and PAHs (EPA 8270E-SIM) at SMW-5s beginning in 2026 Q1 because these analytes were either non-detect each time they were sampled in 2025 or are included in other analytical methods.

Of the expanded analyte list, we recommend continuing to sample geochemical conditions including alkalinity (SM 2320 B-11), Dioxins/Furans (EPA 1613B), PFAS (EPA 1633A), and SVOCs (EPA 8270E) in 2026 Q1 and 2026 Q2 (Table 1).

2.0 ANALYTICAL RESULTS

Time series plots for onsite monitoring wells north of the anticline, O.L. Luther, and the DNR House are included for tetrachloroethene (PCE), PCE degradation products trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), and leachate indicators chloride, nitrate, and sulfate. Between 2012 and 2013, the reporting limit for PCE, TCE, and cis-1,2-DCE were reduced from 1 µg/L to 0.2 µg/L, resulting in visible dips on Figures 2a and 3a. Each time series plot is paired with plots of constituent variability from 2006-2026 that show the change in the concentrations of PCE, TCE, cis-1,2-DCE, chloride, nitrate, and sulfate with an approximate 6-month time lag. The deviation at a given data point was calculated by subtracting the value of the constituent at that well one to two sampling events prior from the value at a given quarter. The time-lagged deviation was calculated for each quarter in which a prior sample occurred within the previous five to nine months. Non-detects are included in the data set at the reporting limit. Detections of PCE, PCE degradation products, and leachate indicators do not exhibit seasonality.

Detections of other VOCs at the onsite and offsite RI monitoring wells in the previous 5 years are presented in Table 3. These detections are relatively low and do not appear to exhibit seasonality.

3.0 REPORTING LIMITS EXCEEDING MTCA CRITERIA

In 2025, the following analytes were non-detect for one or more sampled RI monitoring wells and had reporting limits (RLs) above the minimum MTCA criteria published in Cleanup Levels and Risk Calculation (CLARC) (Ecology 2025) during all four sampling events in 2025:

- VOCs
 - 1,2,3-Trichloropropane (MTCA B Cancer: 0.00038 ug/L)
 - 1,2-Dibromo-3-chloropropane (DBCP) (MTCA B Cancer: 0.014 ug/L)
 - 1,2-Dibromoethane (EDB) (MTCA A: 0.01 ug/L)
 - Acrolein (MTCA B Noncancer: 4 ug/L)
 - Acrylonitrile (MTCA B Cancer: 0.081 ug/L)
- Dioxins/Furans
 - 2,3,7,8-TCDD and Total TCDD (MTCA B Cancer: 0.34 pg/L)
- PFAS
 - Perfluorodecanoic acid (PFDA) (MTCA B Noncancer: 0.032 ng/L)
 - Perfluorohexanesulfonic acid (PFHxS) (MTCA B Noncancer: 0.0064 ng/L)
 - Perfluorooctanoic acid (PFOA) (MTCA B Cancer: 0.003 ng/L)
- SVOCs

- 2,4-Dinitrotoluene (MTCA B Noncancer: 1.6 ug/L)
- 2,6-Dinitrotoluene (MTCA B Noncancer: 1.6 ug/L)
- 2-Methyl-4,6-dinitrophenol (MTCA B Potable Groundwater: 1.28 ug/L)
- 3,3'-Dichlorobenzidine (MTCA B Cancer: 0.19 ug/L)
- 4-Chloroaniline (MTCA B Potable Groundwater: 0.4375 ug/L)
- Bis(2-chloroethyl) Ether (MTCA B Potable Groundwater: 0.0398 ug/L)
- N-Nitroso-Di-N-Propylamine (MTCA B Potable Groundwater: 0.0125 ug/L)
- Pentachlorophenol (MTCA B Cancer: 0.22 ug/L)

Table 4 presents all analyzed constituents that were non-detect for one or more sampled RI monitoring wells and had an RL above the minimum MTCA criteria during any of the quarterly sampling events in 2025. Mott MacDonald discussed the RLs with Analytical Resources, LLC (ARI) in September 2025 and it was determined that the RLs could not be reduced further (Bottem 2025). All affected results are flagged in Tables 2a through 2d with a “Y” qualifier.

Respectfully submitted,

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Sampling Modification Recommendation_01302026.docx

References

- Bottem, Kelly, 2025. Re: Yakima County - Snipes - Reporting Questions and Changes. Personal communication, September 16, 2025.
- Mott MacDonald, 2025. Final Remedial Investigation Work Plan, Closed Snipes Mountain Landfill. January 2025.
- Washington State Department of Ecology (Ecology), 2025. Cleanup Levels and Risk Calculation (CLARC) Table. <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-cleanup-tools/clarc>. February 2025.

Table 1. Proposed Analyses Per RI Monitoring Well, 2026 Q1 and Q2

Closed Snipes Mountain Landfill

	Analysis	Bottle	Task Group	2026 Q1 and 2026 Q2 (Proposed)						
				SMW-1	SMW-2	SMW-4	SMW-5d	SMW-5s	O.L. Luther	DNR House
ARI	Volatiles (SIM)	40 mL VOA	MFS	X	Q2/Q4	X	X	X	X	X
	Dissolved metals	500 mL HDPE	MFS+	X	Q2/Q4	X	X	X	X	X
	NO3/NO2	Small OJ	MFS	X	Q2/Q4	X	X	X	-	-
	TOC/COD/NH3	250 mL AG	MFS	X	Q2/Q4	X	X	X	-	-
	Chloride/Sulfate	Small OJ	MFS	X	Q2/Q4	X	X	X	X	X
	Alkalinity	Small OJ	App II	X	-	X	X	X	X	X
	TSS	Large OJ	App II	X	-	X	X	X	X	X
	TDS	Large OJ	App II	X	-	X	X	X	-	-
	1,4-Dioxane	500 mL AG	Other	X	-	-	-	-	-	-
	Chlorinated Phenols [included in 8270]	500 mL AG	App III	-	-	-	-	-	-	-
	Dioxin/Furans	1000 mL AG	App III	X	-	-	-	X	-	-
	SIM PAH	500 mL AG	App III	X	-	-	-	-	-	-
	Pesticides	500 mL AG	App III	X	-	-	-	-	-	-
	SVOCs [8270]	500 mL AG	App III	X	-	-	X	X	-	-
Eurofins	PFAS	125 mL	Other	X	-	X	X	X	-	-
	Dinoseb	1000 mL AG	App III	X	-	-	-	-	-	-

- = Sample will not be collected

X = Sample will be collected

There is a proposed change from 2025 Q3 and Q4

AG = amber glass

mL = milliliter

PFAS = per- and polyfluoroalkyl substances

App = Appendix (WAC 173-351-990)

NH3 = ammonia

Q = Indicates quarter of the year (i.e.: Q1 = first quarter)

ARI = Analytical Resources, LLC

NO2 = nitrite

TDS = total dissolved solids

COD = chemical oxygen demand

NO3 = nitrate

TOC = total organic carbon

HDPE = high-density polyethylene

PAH = polycyclic aromatic hydrocarbons

TSS = total suspended solids

Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Field Parameters							
Depth to water, Ft.		232.39	232.81	182.84	182.58		
Dissolved oxygen, mg/L		8.37	0.41	2.91	3.05	2.15	2.98
Oxidation Reduction Potential, mV		122.2	148.2	148.1	172.1	195.7	177.6
pH, Field, std. units		7.3	7.46	5.86	7.92	7.52	7.5
Specific Conductance @ 25C, Field, umhos/cm		434	292	645	236	489	480
Temperature, C		15.7	16.6	16.2	15.9	4.2	20.8
Inorganics							
Alkalinity as CaCO ₃ , Total, mg/L CaCO ₃		199	145	153	118	208	209
Ammonia, Total, mg/L as N		0.04U	0.04U	0.04U	0.04U		
Carbon, Total Organic, mg/L		0.5U	0.5U	5.26	0.5U		
Chemical Oxygen Demand (COD), mg/L		10U	10U	27.9	10U		
Chloride, mg/L	250	17.4D	8.4	35.6D	4.32	37.3D	37.6D
Nitrate, mg/L as N	10	2.03H	0.02UH	0.488	0.02UH		
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	2.03D	0.01U	0.488	0.01U		
Nitrite, mg/L as N	1	0.01UH	0.01UH	0.01U	0.01UH		
Solids, Total Suspended, mg/L		1U	1U	11	3	1U	1U
Sulfate, mg/L	250	84.5D	40.9D	72.5D	27.4D	92D	89.5D
Metals							
Antimony, Dissolved, ug/L	6	0.2U	0.2U	0.667	0.195J	0.2U	0.2U
Arsenic, Dissolved, mg/L	0.0000027	0.00631	0.00395	0.00494	0.00863	0.00336	0.00329D
Barium, Dissolved, mg/L	2	0.00614	0.00762	0.00952	0.0155	0.0332	0.0268
Cadmium, Dissolved, mg/L	0.005	0.0001U	0.0001U	0.000102	0.0001U	0.0001U	0.0001U
Calcium, Dissolved, mg/L		68	35.9	45.5	26	76.8	77.3
Chromium, Dissolved, mg/L	24	0.0026D	0.0025U	0.0132D	0.00259D	0.0025U	0.0025U
Copper, Dissolved, ug/L	640	3.85	0.5U	1.14	0.5U	0.0015	0.000785
Iron, Dissolved, mg/L	0.3	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
Lead, Dissolved, ug/L	15	0.635	0.2U	0.2U	0.2U	0.2U	0.2U
Magnesium, Dissolved, mg/L		23.5	11.7	13.5	7.23	25.2	25.2
Manganese, Dissolved, mg/L	0.05	0.0059	0.004U	0.184	0.004U	0.0044	0.004U
Mercury, Dissolved, mg/L	0.002	0.0001U	0.0001U	0.0001U	0.0001U	0.0001U	0.0001U
Potassium, Dissolved, mg/L		6.67	6.73	3.95	5.93	7.43	7
Selenium, Dissolved, mg/L	0.05	0.0016	0.001U	0.00113	0.001U	0.00179	0.00173
Silver, Dissolved, mg/L	0.08	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U
Sodium, Dissolved, mg/L		17.5	20.1	22	20.4	26.1	25.3
Zinc, Dissolved, mg/L	4.8	0.0158	0.006U	0.0151	0.006U	0.0675	0.00783
VOC							
1,1,1,2-Tetrachloroethane, ug/L	1.683	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L	0.2188	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L	240000	0.2U	0.2U	0.27	0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L	0.77	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

J - Estimated value. B - Compound found in blank.

U - Not detected above indicated detection limit.

M - Estimated value - low spectral match parameters.

Y - Not detected at raised detection limit.

EMPC - Estimated Maximum Possible Concentration

The Screening Criteria is the most stringent value in CLARC (published February 2025).

Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
1,1-Dichloroethane, ug/L	7.675	0.11J	0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L	7	0.17J	0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L	6.4	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L	0.00038	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2,4-Trichlorobenzene, ug/L	1.5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L	0.014	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2-Dibromoethane (EDB), ug/L	0.01	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
1,2-Dichlorobenzene, ug/L	600	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.48	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	1.2	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L	4800	5U	5U	5U	5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L		1U	1U	1U	1U	1U	1U
2-Chlorotoluene, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-Hexanone, ug/L	40	5U	5U	5U	5U	5U	5U
2-Pentanone, ug/L		5U	5U	5U	5U	5U	5U
4-Chlorotoluene, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L	32	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L	640	5U	5U	5U	5U	5U	5U
Acetone, ug/L	7200	5U	5U	5U	5U	5U	5U
Acrolein, ug/L	4	5UY	5UY	5UY	5UY	5UY	5UY
Acrylonitrile, ug/L	0.081	1UY	1UY	1UY	1UY	1UY	1UY
Benzene, ug/L	0.8	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromobenzene, ug/L	64	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.71	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromoform, ug/L	5.5	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromomethane, ug/L	11	1U	1U	1U	1U	1U	1U
Carbon Disulfide, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.63	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroform, ug/L	1.4	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L	16	0.17J	0.77	0.2U	0.2U	0.11J	0.14J
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dibromochloromethane, ug/L	0.52	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dibromomethane, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L	1600	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

* CONF = Confluent growth on all dilutions, no coliforms.

** Indicates detected in the trip blank but not qualified.

No result indicates analyte not analyzed for.

Q - Indicates quarter of the year (ie: Q1 = first quarter).

J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

U - Not detected above indicated detection limit.

Y - Not detected at raised detection limit.

EMPC - Estimated Maximum Possible Concentration

The Screening Criteria is the most stringent value in CLARC (published February 2025).

Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U	1U	1U	1U	1U
Ethylbenzene, ug/L	700	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Iodomethane, ug/L		1U	1U	1U	1U	1U	1U
Isopropylbenzene (Cumene), ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
m,p-Xylene, ug/L	1000	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Naphthalene, ug/L	160	0.01U	0.01U	0.01U	0.01U	0.5U	0.5U
n-Butylbenzene, ug/L	400	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
n-Propylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
o-Xylene, ug/L	1000	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Styrene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	5	7.61	3.79	1.11	0.2U	5.77	5.94
Toluene, ug/L	640	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Total Xylenes, ug/L	1000	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L		1U	1U	1U	1U	1U	1U
Trichloroethene (TCE), ug/L	0.54	0.49	0.92	0.2U	0.2U	0.31	0.34
Trichlorofluoromethane (CFC 11), ug/L	2400	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Acetate, ug/L	8000	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.029	0.02U	0.02U	0.02U	0.02U	0.02U	0.02U
Chlorinated Pesticides							
4,4'-DDD, ug/L	0.36	0.05U	0.05U	0.05U	0.05U		
4,4'-DDE, ug/L	0.1287	0.05U	0.05U	0.05U	0.05U		
4,4'-DDT, ug/L	0.2574	0.05U	0.05U	0.05U	0.05U		
Aldrin, ug/L	0.00257	0.025UY	0.025UY	0.025UY	0.025UY		
Alpha-BHC, ug/L	0.0139	0.025UY	0.025UY	0.025UY	0.025UY		
Alpha-Chlordane, ug/L	4	0.025U	0.025U	0.025U	0.025U		
beta-BHC, ug/L	0.0486	0.025U	0.025U	0.025U	0.025U		
Chlordane, technical, ug/L	0.13	0.1U	0.1U	0.1U	0.1U		
delta-BHC, ug/L	0.00096	0.025UY	0.025UY	0.025UY	0.025UY		
Endosulfan I, ug/L		0.025U	0.025U	0.025U	0.025U		
Endosulfan II, ug/L		0.05U	0.05U	0.05U	0.05U		
Endosulfan sulfate, ug/L	96	0.05U	0.05U	0.05U	0.05U		
Endrin, ug/L	2	0.05U	0.05U	0.05U	0.05U		
Endrin aldehyde, ug/L		0.05U	0.05U	0.05U	0.05U		
Endrin ketone, ug/L		0.05U	0.05U	0.05U	0.05U		
gamma-BHC (Lindane), ug/L	0.08	0.025U	0.025U	0.025U	0.025U		
Heptachlor, ug/L	0.0097	0.025UY	0.025UY	0.025UY	0.025UY		
Heptachlor Epoxide, ug/L	0.0048	0.05UY	0.05UY	0.05UY	0.05UY		
Hexachlorobenzene, ug/L	0.027	0.05UY	0.05UY	0.05UY	0.05UY		
Hexachlorobutadiene, ug/L	0.56	0.05U	0.05U	0.05U	0.05U	0.5U	0.5U

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Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Methoxychlor, ug/L	40	0.25U	0.25U	0.25U	0.25U		
Oxychlorthane, ug/L		0.05U	0.05U	0.05U	0.05U		
trans-Chlordane, ug/L	4	0.025U	0.025U	0.025U	0.025U		
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,4,6,7,8-HpCDF, pg/L		19U	18.9U	29U	21.7U		
1,2,3,4,7,8,9-HpCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,4,7,8-HxCDD, pg/L	14	9.52U	9.43U	14.5UY	10.9U		
1,2,3,4,7,8-HxCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,6,7,8-HxCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,6,7,8-HxCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,7,8,9-HxCDD, pg/L	14	9.52U	9.43U	14.5UY	10.9U		
1,2,3,7,8,9-HxCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,7,8-PeCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
1,2,3,7,8-PeCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
2,3,4,6,7,8-HxCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
2,3,4,7,8-PeCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
2,3,7,8-TCDD, pg/L	0.34	9.52UY	9.43UY	14.5UY	10.9UY		
2,3,7,8-TCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
OCDD, pg/L		47.6U	47.2U	72.5U	54.3U		
OCDF, pg/L		19U	18.9U	29U	21.7U		
Total HpCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
Total HpCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
Total HxCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
Total HxCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
Total PeCDD, pg/L		9.52U	9.43U	14.5U	10.9U		
Total PeCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
Total TCDD, pg/L	0.34	9.52UY	9.43UY	14.5UY	10.9UY		
Total TCDF, pg/L		9.52U	9.43U	14.5U	10.9U		
Herbicides							
Dinoseb, ug/L	7	2.5U	2.5U	2.5U	2.5U		
PFAS							
11CI-PF3OUdS, ng/L		1.6U	1.6U	1.7U	1.7U		
3:3 FTCA, ng/L		3.2U	3.3U	7.6	3.4U		
4,8-Dioxa-3H-perfluorononanoic acid, ng/L		1.6U	1.6U	1.7U	1.7U		
4:2 FTS, ng/L		3.2U	3.3U	3.4U	3.4U		
5:3 FTCA, ng/L		7.9U	8.2U	8.4U	8.6U		
6:2 FTS, ng/L	3200	3.2U	3.3U	3.4U	3.4U		
7:3 FTCA, ng/L		7.9U	8.2U	8.4U	8.6U		
8:2 FTS, ng/L		3.2U	3.3U	3.4U	3.4U		
9CI-PF3ONS, ng/L		1.6U	1.6U	1.7U	1.7U		
HFPO-DA (GenX), ng/L	10	1.2U	1.2U	1.3U	1.3U		
NEtFOSA, ng/L		1.6U	1.6U	1.7U	1.7U		

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2025 Q1

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Constituent	Screening Criteria						
NEtFOSAA, ng/L		1.6U	1.6U	1.7U	1.7U		
NEtFOSE, ng/L		7.9U	8.2U	8.4U	8.6U		
NFDHA, ng/L		1.6U	1.6U	1.7U	1.7U		
NMeFOSA, ng/L		1.6U	1.6U	1.7U	1.7U		
NMeFOSAA, ng/L		1.6U	1.6U	1.4J	1.7U		
NMeFOSE, ng/L		7.9U	8.2U	8.4U	8.6U		
Perfluorobutanesulfonic acid (PFBS), ng/L	4800	1.6U	1.6U	1.7U	1.7U		
Perfluorobutanoic acid (PFBA), ng/L	8000	3.2U	3.3U	420	3.2J		
Perfluorodecanesulfonic acid (PFDS), ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluorodecanoic acid (PFDA), ng/L	0.032	1.6UY	1.6UY	1.7UY	0.91J		
Perfluorododecanesulfonic acid, ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluorododecanoic acid (PFDoA), ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluoroheptanesulfonic acid, ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluoroheptanoic acid (PFHpA), ng/L		1.6U	1.6U	0.49J	1.7U		
Perfluorohexanesulfonic acid, ng/L	0.0064	1.6UY	1.6UY	1.7UY	1.7UY		
Perfluorohexanoic acid (PFHxA), ng/L	8000	1.6U	1.6U	0.86J	1.7U		
Perfluorononanesulfonic acid (PFNS), ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluorononanoic acid (PFNA), ng/L	10	1.6U	1.6U	1.7U	1.7U		
Perfluorooctanesulfonamide (PFOSA), ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluorooctanesulfonic acid (PFOS), ng/L	1.6	1.6U	1.6U	2.1	1.7UY		
Perfluorooctanoic acid (PFOA), ng/L	0.003	0.7J	1.6UY	3.1	4.7		
Perfluoropentanesulfonic acid, ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluoropentanoic acid (PFPeA), ng/L		1.6U	1.6U	130	3.9		
Perfluorotetradecanoic acid, ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluorotridecanoic acid (PFTrDA), ng/L		1.6U	1.6U	1.7U	1.7U		
Perfluoroundecanoic acid (PFUnA), ng/L		1.6U	1.6U	1.7U	1.7U		
PFEESA, ng/L		1.6U	1.6U	1.7U	1.7U		
PFMBA, ng/L		1.6U	1.6U	1.7U	1.7U		
PFMPA, ng/L		1.6U	1.6U	1.7U	1.7U		

SVOC

1,2,4-Trichlorobenzene, ug/L	1.5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-Dichlorobenzene, ug/L	600	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dioxane, ug/L	0.4375	0.4U	0.4U	0.4U	0.4U		
1-Methylnaphthalene, ug/L	0.8578	0.01U	0.01U	0.01U	0.01U		
2,3,4,6-Tetrachlorophenol, ug/L	480	1U	1U	1U	1U		
2,4,5-Trichlorophenol, ug/L	1600	5U	5U	5U	5U		
2,4,6-Trichlorophenol, ug/L	7.955	3U	3U	3U	3U		
2,4-Dichlorophenol, ug/L	48	3U	3U	3U	3U		
2,4-Dimethylphenol, ug/L	320	3U	3U	3U	3U		
2,4-Dinitrophenol, ug/L	32	10U	10U	10U	10U		
2,4-Dinitrotoluene, ug/L	1.6	3UY	3UY	3UY	3UY		
2,6-Dinitrotoluene, ug/L	1.6	3UY	3UY	3UY	3UY		

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Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
2-Chloronaphthalene, ug/L	640	1U	1U	1U	1U		
2-Chlorophenol, ug/L	40	1U	1U	1U	1U		
2-Methyl-4,6-dinitrophenol, ug/L	1.28	10UY	10UY	10UY	10UY		
2-Methylnaphthalene, ug/L	32	0.01U	0.01U	0.01U	0.01U		
2-Methylphenol, ug/L	800	1U	1U	1U	1U		
2-Nitroaniline, ug/L	160	3U	3U	3U	3U		
2-Nitrophenol, ug/L		3U	3U	3U	3U		
3,3'-Dichlorobenzidine, ug/L	0.19	10UY	10UY	10UY	10UY		
3-Nitroaniline, ug/L		3U	3U	3U	3U		
4-Bromophenyl Phenyl Ether, ug/L		1U	1U	1U	1U		
4-Chloro-3-methylphenol, ug/L	1600	3U	3U	3U	3U		
4-Chloroaniline, ug/L	0.4375	5UY	5UY	5UY	5UY		
4-Chlorophenyl Phenyl Ether, ug/L		1U	1U	1U	1U		
4-Methylphenol, ug/L	1600	2U	2U	2U	2U		
4-Nitroaniline, ug/L	4.375	3U	3U	3U	3U		
4-Nitrophenol, ug/L		5U	5U	5U	5U		
Acenaphthene, ug/L	480	0.01U	0.01U	0.01U	0.01U		
Acenaphthylene, ug/L		0.01U	0.01U	0.01U	0.01U		
Anthracene, ug/L	2400	0.01U	0.01U	0.01U	0.01U		
Benz(a)anthracene, ug/L	1.4	0.01U	0.01U	0.01U	0.01U		
Benzo(a)pyrene, ug/L	0.023	0.01U	0.01U	0.01U	0.01U		
Benzo(b)fluoranthene, ug/L	0.023	0.01U	0.01U	0.01U	0.01U		
Benzo(g,h,i)perylene, ug/L		0.01U	0.01U	0.01U	0.01U		
Benzo(j)fluoranthene, ug/L		0.01U	0.01U	0.01U	0.01U		
Benzo(k)fluoranthene, ug/L		0.01U	0.01U	0.01U	0.01U		
Benzo(a)fluoranthene, Total, ug/L		0.03U	0.03U	0.03U	0.03U		
Benzoic Acid, ug/L	64000	10U	10U	10U	10U		
Benzyl Alcohol, ug/L	1600	2U	2U	2U	2U		
Bis(2-chloroethoxy)methane, ug/L	48	1U	1U	1U	1U		
Bis(2-chloroethyl) Ether, ug/L	0.0398	1UY	1UY	1UY	1UY		
Bis(2-chloroisopropyl) Ether, ug/L	0.625	1UY	1UY	1UY	1UY		
Bis(2-ethylhexyl) Phthalate, ug/L	6	3.8	3U	3U	3U		
Butylbenzyl Phthalate, ug/L	46	1U	1U	1U	1U		
Carbazole, ug/L		0.01U	0.01U	0.039	0.011		
Chrysene, ug/L		0.01U	0.01U	0.01U	0.01U		
Dibenz(a,h)anthracene, ug/L		0.01U	0.01U	0.01U	0.01U		
Dibenzofuran, ug/L	8	0.01U	0.01U	0.01U	0.01U		
Diethyl Phthalate, ug/L	12800	1U	1U	1U	1U		
Dimethyl Phthalate, ug/L		1U	1U	1U	1U		
Di-n-butyl Phthalate, ug/L	1600	1U	1U	1U	1U		
Di-n-Octyl phthalate, ug/L	160	1U	1U	1U	1U		
Fluoranthene, ug/L	640	0.01U	0.01U	0.01U	0.01U		
Fluorene, ug/L	320	0.01U	0.01U	0.01U	0.01U		
Hexachlorocyclopentadiene, ug/L	48	5U	5U	5U	5U		
Hexachloroethane, ug/L	1.094	2UY	2UY	2UY	2UY		

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Table 2a. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q1

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Indeno(1,2,3-cd)pyrene, ug/L		0.01U	0.01U	0.01U	0.01U		
Isophorone, ug/L	92	1U	1U	1U	1U		
Naphthalene, ug/L	160	0.01U	0.01U	0.01U	0.01U	0.5U	0.5U
Nitrobenzene, ug/L	16	1U	1U	1U	1U		
N-Nitroso-Di-N-Propylamine, ug/L	0.0125	1UY	1UY	1UY	1UY		
N-Nitrosodiphenylamine, ug/L	17.86	1U	1U	1U	1U		
Pentachlorophenol, ug/L	0.22	5UY	5UY	5UY	5UY		
Perylene, ug/L		0.01U	0.01U	0.01U	0.01U		
Phenanthrene, ug/L		0.01U	0.01U	0.01U	0.01U		
Phenol, ug/L	4800	1U	1U	1U	1U		
Pyrene, ug/L	240	0.01U	0.01U	0.01U	0.01U		

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Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Field Parameters							
Depth to Water, Ft.		241.41	247.06	183.71	205.22		
Dissolved oxygen, mg/L				39.3	28.5	56.2	37.7
Oxidation Reduction Potential, mV				22.1	117	108.4	107.6
pH, Field, std. units				7.34	7.88	7.62	8.09
Specific Conductance @ 25C, Field, umhos/cm				525	273.7	714	350.8
Temperature, C				20.6	23.9	18.3	17.8
Inorganics							
Alkalinity as CaCO ₃ , Total, mg/L CaCO ₃				236	117		
Ammonia, Total, mg/L as N				0.055	0.04U		
Carbon, Total Organic, mg/L				2.18	6.06		
Chemical Oxygen Demand (COD), mg/L				71	41		
Chloride, mg/L	250			23.3D	4.16	38.7D	10.2D
Nitrate, mg/L as N	10			1.13H	0.02UH		
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10			1.17D	0.01U		
Nitrite, mg/L as N	1			0.044H	0.01UH		
Solids, Total Suspended, mg/L				1510	7		
Sulfate, mg/L	250			68BD	22.6B	96BD	34.2BD
Metals							
Antimony, Dissolved, ug/L	6			0.692	0.173J	0.2U	0.2U
Arsenic, Dissolved, mg/L	0.0000027			0.00618	0.00955	0.0035	0.00458
Barium, Dissolved, mg/L	2			0.0258	0.0181	0.0308	0.0104
Cadmium, Dissolved, mg/L	0.005			0.0001U	0.0001U	0.0001U	0.0001U
Calcium, Dissolved, mg/L				56.2	25.4	83.4	36.4
Chromium, Dissolved, mg/L	24			0.01U	0.01U	0.01U	0.01U
Copper, Dissolved, ug/L	640			0.316J	0.5U	7.39	1.41
Iron, Dissolved, mg/L	0.3			0.1U	0.1U	0.1U	0.1U
Lead, Dissolved, ug/L	15			0.13J	0.2U	0.2U	0.2U
Magnesium, Dissolved, mg/L				16	6.91	28.4	10.9
Manganese, Dissolved, mg/L	0.05			0.049	0.004U	0.004U	0.004U
Mercury, Dissolved, mg/L	0.002			0.0001U	0.0001U	0.0001U	0.0001U
Potassium, Dissolved, mg/L				4.53	5.16	6.88	7.15
Selenium, Dissolved, mg/L	0.05			0.0032	0.001U	0.00237	0.00123
Silver, Dissolved, mg/L	0.08			0.0002U	0.0002U	0.0002U	0.0002U
Sodium, Dissolved, mg/L				25.6	20	27	20
Zinc, Dissolved, mg/L	4.8			0.00354JB	0.0045JB	0.036	0.00566J
VOC							
1,1,1,2-Tetrachloroethane, ug/L	1.683			0.2U	0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200			0.2U	0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L	0.2188			0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L	240000			0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L	0.77			0.2U	0.2U	0.2U	0.2U

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Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
1,1-Dichloroethane, ug/L	7.675			0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L	7			0.2U	0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L				0.2U	0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L	6.4			0.5U	0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L	0.00038			0.5UY	0.5UY	0.5UY	0.5UY
1,2,4-Trichlorobenzene, ug/L	1.5			0.4U	0.4U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L	80			0.2U	0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L	0.014			0.5UY	0.5UY	0.5UY	0.5UY
1,2-Dibromoethane (EDB), ug/L	0.01			0.2UY	0.2UY	0.2UY	0.2UY
1,2-Dichlorobenzene, ug/L	600			0.2U	0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.48			0.2U	0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	1.2			0.2U	0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L	80			0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L				0.2U	0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L	160			0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1			0.2U	0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L				0.2U	0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L	4800			5U	5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L				1U	1U	1U	1U
2-Chlorotoluene, ug/L	160			0.2U	0.2U	0.2U	0.2U
2-Hexanone, ug/L	40			5U	5U	5U	5U
2-Pentanone, ug/L				5U	5U	5U	5U
4-Chlorotoluene, ug/L	160			0.2U	0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L	32			0.2U	0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L	640			5U	5U	5U	5U
Acetone, ug/L	7200			7.78	5U	5U	6.48
Acrolein, ug/L	4			5UY	5UY	5UY	5UY
Acrylonitrile, ug/L	0.081			1UY	1UY	1UY	1UY
Benzene, ug/L	0.8			0.2U	0.2U	0.2U	0.2U
Bromobenzene, ug/L	64			0.2U	0.2U	0.2U	0.2U
Bromochloromethane, ug/L				0.2U	0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.71			0.2U	0.2U	0.2U	0.2U
Bromoform, ug/L	5.5			0.2U	0.2U	0.2U	0.2U
Bromomethane, ug/L	11			1U	1U	1U	1U
Carbon Disulfide, ug/L	800			1.13	0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.63			0.2U	0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100			0.2U	0.2U	0.2U	0.2U
Chloroethane, ug/L				0.2U	0.2U	0.2U	0.2U
Chloroform, ug/L	1.4			0.2U	0.2U	0.2U	0.2U
Chloromethane, ug/L				0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L	16			0.2U	0.2U	0.11J	0.2U
cis-1,3-Dichloropropene, ug/L				0.2U	0.2U	0.2U	0.2U
Dibromochloromethane, ug/L	0.52			0.2U	0.2U	0.2U	0.2U
Dibromomethane, ug/L	80			0.2U	0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L	1600			0.2U	0.2U	0.39	0.2U

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EMPC - Estimated Maximum Possible Concentration

The Screening Criteria is the most stringent value in CLARC (published February 2025).

Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Dichloromethane(Methylene Chloride), ug/L	5			1U	1U	1U	1U
Ethylbenzene, ug/L	700			0.2U	0.2U	0.2U	0.2U
Iodomethane, ug/L				1U	1U	1U	1U
Isopropylbenzene (Cumene), ug/L	800			0.2U	0.2U	0.2U	0.2U
m,p-Xylene, ug/L	1000			0.4U	0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L	20			0.5U	0.5U	0.5U	0.5U
Naphthalene, ug/L	160			0.02U	0.02U	0.5U	0.5U
n-Butylbenzene, ug/L	400			0.2U	0.2U	0.2U	0.2U
n-Propylbenzene, ug/L	800			0.2U	0.2U	0.2U	0.2U
o-Xylene, ug/L	1000			0.2U	0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L	800			0.2U	0.2U	0.2U	0.2U
Styrene, ug/L	100			0.2U	0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L	800			0.2U	0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	5			1.01	0.13J	6.01	0.84
Toluene, ug/L	640			0.2U	0.2U	0.2U	0.2U
Total Xylenes, ug/L	1000			0.6U	0.6U	0.6U	0.6U
trans-1,2-Dichloroethene, ug/L	100			0.2U	0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L				0.2U	0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L				1U	1U	1U	1U
Trichloroethene (TCE), ug/L	0.54			0.2U	0.2U	0.33	0.2U
Trichlorofluoromethane (CFC 11), ug/L	2400			0.2U	0.2U	0.2U	0.2U
Vinyl Acetate, ug/L	8000			0.2U	0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.029			0.02U	0.02U	0.2UY	0.2UY
Chlorinated Pesticides							
4,4'-DDD, ug/L	0.36			0.0025U	0.0025U		
4,4'-DDE, ug/L	0.1287			0.0025U	0.0025U		
4,4'-DDT, ug/L	0.2574			0.0025U	0.0025U		
Aldrin, ug/L	0.00257			0.0013U	0.0013U		
alpha-BHC, ug/L	0.0139			0.0013U	0.0013U		
Alpha-Chlordane, ug/L	4			0.0013U	0.0013U		
beta-BHC, ug/L	0.0486			0.0013U	0.0013U		
Chlordane, technical, ug/L	0.13			0.01U	0.01U		
delta-BHC, ug/L	0.00096			0.0013UY	0.0013UY		
Endosulfan I, ug/L				0.0013U	0.0013U		
Endosulfan II, ug/L				0.0025U	0.0025U		
Endosulfan sulfate, ug/L	96			0.0025U	0.0025U		
Endrin, ug/L	2			0.0025U	0.0025U		
Endrin aldehyde, ug/L				0.0025U	0.0025U		
Endrin ketone, ug/L				0.0025U	0.0025U		
gamma-BHC (Lindane), ug/L	0.08			0.0013U	0.0013U		
Heptachlor, ug/L	0.0097			0.0013U	0.0013U		
Heptachlor Epoxide, ug/L	0.0048			0.0013U	0.0013U		
Hexachlorobenzene, ug/L	0.027			0.0025U	0.0025U		
Hexachlorobutadiene, ug/L	0.56			0.0025U	0.0025U	0.5U	0.5U

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Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name	SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria					
Methoxychlor, ug/L	40		0.0125U	0.0125U		
Oxychlorodane, ug/L			0.0025U	0.0025U		
trans-Chlordane, ug/L	4		0.0013U	0.0013U		
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD, pg/L			9.8U	10.3U		
1,2,3,4,6,7,8-HpCDF, pg/L			19.6U	20.6U		
1,2,3,4,7,8,9-HpCDF, pg/L			9.8U	10.3U		
1,2,3,4,7,8-HxCDD, pg/L	14		9.8U	10.3U		
1,2,3,4,7,8-HxCDF, pg/L			9.8U	10.3U		
1,2,3,6,7,8-HxCDD, pg/L			9.8U	10.3U		
1,2,3,6,7,8-HxCDF, pg/L			9.8U	10.3U		
1,2,3,7,8,9-HxCDD, pg/L	14		9.8U	10.3U		
1,2,3,7,8,9-HxCDF, pg/L			9.8U	10.3U		
1,2,3,7,8-PeCDD, pg/L			9.8U	10.3U		
1,2,3,7,8-PeCDF, pg/L			9.8U	10.3U		
2,3,4,6,7,8-HxCDF, pg/L			9.8U	10.3U		
2,3,4,7,8-PeCDF, pg/L			9.8U	10.3U		
2,3,7,8-TCDD, pg/L	0.34		9.8UY	10.3UY		
2,3,7,8-TCDF, pg/L			9.8U	10.3U		
OCDD, pg/L			57.9B	51.5U		
OCDF, pg/L			19.6U	20.6U		
Total HpCDD, pg/L			9.8U	10.3U		
Total HpCDF, pg/L			9.8U	10.3U		
Total HxCDD, pg/L			9.8U	10.3U		
Total HxCDF, pg/L			9.8U	10.3U		
Total PeCDD, pg/L			9.8U	10.3U		
Total PeCDF, pg/L			9.8U	10.3U		
Total TCDD, pg/L	0.34		9.8UY	10.3UY		
Total TCDF, pg/L			9.8U	10.3U		
Herbicides						
Dinoseb, ug/L	7		2.4U	2.4U		
PFAS						
11CI-PF3OUdS, ng/L			20U	1.7U		
3:3 FTCA, ng/L			2.6J	3.4U		
4,8-Dioxa-3H-perfluorononanoic acid, ng/L			20U	1.7U		
4:2 FTS, ng/L			2.7U	3.4U		
5:3 FTCA, ng/L			100U	8.5U		
6:2 FTS, ng/L	3200		40U	3.4U		
7:3 FTCA, ng/L			100U	8.5U		
8:2 FTS, ng/L			40U	3.4U		
9CI-PF3ONS, ng/L			20U	1.7U		
HFPO-DA (GenX), ng/L	10		15UY	1.3U		
NEtFOSA, ng/L			20U	1.7U		

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2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
NEtFOSAA, ng/L				20U	1.7U		
NEtFOSE, ng/L				100U	8.5U		
NFDHA, ng/L				20U	1.7U		
NMeFOSA, ng/L				20U	1.7U		
NMeFOSAA, ng/L				20U	1.7U		
NMeFOSE, ng/L				100U	8.5U		
Perfluorobutanesulfonic acid (PFBS), ng/L	4800			20U	1.7U		
Perfluorobutanoic acid (PFBA), ng/L	8000			66	1.5J		
Perfluorodecanesulfonic acid (PFDS), ng/L				20U	1.7U		
Perfluorodecanoic acid (PFDA), ng/L	0.032			20UY	1.7UY		
Perfluorododecanesulfonic acid, ng/L				20U	1.7U		
Perfluorododecanoic acid (PFDoA), ng/L				20U	1.7U		
Perfluoroheptanesulfonic acid, ng/L				20U	1.7U		
Perfluoroheptanoic acid (PFHpA), ng/L				20U	1.7U		
Perfluorohexanesulfonic acid, ng/L	0.0064			20UY	1.7UY		
Perfluorohexanoic acid (PFHxA), ng/L	8000			20U	1.7U		
Perfluorononanesulfonic acid (PFNS), ng/L				20U	1.7U		
Perfluorononanoic acid (PFNA), ng/L	10			20UY	1.7U		
Perfluorooctanesulfonamide (PFOSA), ng/L				20U	1.7U		
Perfluorooctanesulfonic acid (PFOS), ng/L	1.6			20UY	4.3		
Perfluorooctanoic acid (PFOA), ng/L	0.003			20UY	0.54J		
Perfluoropentanesulfonic acid, ng/L				20U	1.7U		
Perfluoropentanoic acid (PFPeA), ng/L				27	1.3J		
Perfluorotetradecanoic acid, ng/L				20U	1.7U		
Perfluorotridecanoic acid (PFTrDA), ng/L				20U	1.7U		
Perfluoroundecanoic acid (PFUnA), ng/L				20U	1.7U		
PFEEA, ng/L				20U	1.7U		
PFMBA, ng/L				1.3U	1.7U		
PFMPA, ng/L				1.3U	1.7U		
SVOC							
1,2,4-Trichlorobenzene, ug/L	1.5			0.4U	0.4U	0.5U	0.5U
1,2-Dichlorobenzene, ug/L	600			0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L				0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1			0.2U	0.2U	0.2U	0.2U
1,4-Dioxane, ug/L	0.4375			0.4U	0.4U		
1-Methylnaphthalene, ug/L	0.8578			0.02U	0.02U		
2,3,4,6-Tetrachlorophenol, ug/L	480			0.4U	0.4U		
2,4,5-Trichlorophenol, ug/L	1600			2U	2U		
2,4,6-Trichlorophenol, ug/L	7.955			2U	2U		
2,4-Dichlorophenol, ug/L	48			2U	2U		
2,4-Dimethylphenol, ug/L	320			2U	2U		
2,4-Dinitrophenol, ug/L	32			4U	4U		
2,4-Dinitrotoluene, ug/L	1.6			2UY	2UY		
2,6-Dinitrotoluene, ug/L	1.6			2UY	2UY		

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Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
2-Chloronaphthalene, ug/L	640			0.4U	0.4U		
2-Chlorophenol, ug/L	40			0.4U	0.4U		
2-Methyl-4,6-dinitrophenol, ug/L	1.28			4UY	4UY		
2-Methylnaphthalene, ug/L	32			0.02U	0.02U		
2-Methylphenol, ug/L	800			0.4U	0.4U		
2-Nitroaniline, ug/L	160			2U	2U		
2-Nitrophenol, ug/L				2U	2U		
3,3'-Dichlorobenzidine, ug/L	0.19			2UY	2UY		
3-Nitroaniline, ug/L				2U	2U		
4-Bromophenyl Phenyl Ether, ug/L				0.4U	0.4U		
4-Chloro-3-methylphenol, ug/L	1600			2U	2U		
4-Chloroaniline, ug/L	0.4375			2UY	2UY		
4-Chlorophenyl Phenyl Ether, ug/L				0.4U	0.4U		
4-Methylphenol, ug/L	1600			0.4U	0.4U		
4-Nitroaniline, ug/L	4.375			2U	2U		
4-Nitrophenol, ug/L				2U	2U		
Acenaphthene, ug/L	480			0.02U	0.02U		
Acenaphthylene, ug/L				0.02U	0.02U		
Anthracene, ug/L	2400			0.02U	0.02U		
Benz(a)anthracene, ug/L	1.4			0.02U	0.02U		
Benzo(a)pyrene, ug/L	0.023			0.02U	0.02U		
Benzo(b)fluoranthene, ug/L	0.023			0.02U	0.02U		
Benzo(g,h,i)perylene, ug/L				0.02U	0.02U		
Benzo(j)fluoranthene, ug/L				0.02U	0.02U		
Benzo(k)fluoranthene, ug/L				0.02U	0.02U		
Benzo(a)fluoranthenes, Total, ug/L				0.02U	0.02U		
Benzoic Acid, ug/L	64000			4U	4U		
Benzyl Alcohol, ug/L	1600			0.4U	0.4U		
Bis(2-chloroethoxy)methane, ug/L	48			0.4U	0.4U		
Bis(2-chloroethyl) Ether, ug/L	0.0398			0.4UY	0.4UY		
Bis(2-chloroisopropyl) Ether, ug/L	0.625			0.4U	0.4U		
Bis(2-ethylhexyl) Phthalate, ug/L	6			7.7B	2.3B		
Butylbenzyl Phthalate, ug/L	46			0.4U	0.4U		
Carbazole, ug/L				0.02U	0.02U		
Chrysene, ug/L				0.02U	0.02U		
Dibenz(a,h)anthracene, ug/L				0.02U	0.02U		
Dibenzofuran, ug/L	8			0.02U	0.025H		
Diethyl Phthalate, ug/L	12800			0.3J	0.4U		
Dimethyl Phthalate, ug/L				0.4U	0.4U		
Di-n-butyl Phthalate, ug/L	1600			0.4U	0.4U		
Di-n-Octyl phthalate, ug/L	160			0.4U	0.4U		
Fluoranthene, ug/L	640			0.02U	0.02U		
Fluorene, ug/L	320			0.02U	0.02U		
Hexachlorocyclopentadiene, ug/L	48			2U	2U		
Hexachloroethane, ug/L	1.094			0.4U	0.4U		

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Table 2b. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q2

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Indeno(1,2,3-cd)pyrene, ug/L				0.02U	0.02U		
Isophorone, ug/L	92			0.4U	0.4U		
Naphthalene, ug/L	160			0.02U	0.02U	0.5U	0.5U
Nitrobenzene, ug/L	16			0.4U	0.4U		
N-Nitroso-Di-N-Propylamine, ug/L	0.0125			0.4UY	0.4UY		
N-Nitrosodiphenylamine, ug/L	17.86			0.4U	0.4U		
Pentachlorophenol, ug/L	0.22			2UY	2UY		
Perylene, ug/L				0.02U	0.02U		
Phenanthrene, ug/L				0.02U	0.02U		
Phenol, ug/L	4800			0.4U	0.4U		
Pyrene, ug/L	240			0.02U	0.02U		

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M - Estimated value - low spectral match parameters.

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Field Parameters							
Depth to Water, Ft.		253.83	184.79	202.59			
Dissolved oxygen, mg/L		5.03	-12.3	3.9	4.02	7.45	
Oxidation Reduction Potential, mV		77.1	7.14	-17.9	136.2	144.3	
pH, Field, std. units		7.75	6.84	7.98	7.48	7.62	
Specific Conductance @ 25C, Field, umhos/cm		317	399	237	634	615	
Temperature, C		18.64	23.23	18.6	20.46	19.89	
Inorganics							
Alkalinity as CaCO ₃ , Total, mg/L CaCO ₃		157	167	115	215	214	
Alkalinity, Bicarbonate, mg/L CaCO ₃		157	167	115	215	214	
Ammonia, Total, mg/L as N		0.04U	0.115	0.04U			
Carbon, Total Organic, mg/L		4.61	11.57	4.06			
Carbonate, mg/L		1U	1U	1U	1U	1U	
Chemical Oxygen Demand (COD), mg/L		10U	25.4	10U			
Chloride, mg/L	250	7.83	22.5D	4.09	36.1D	36D	
Nitrate, mg/L as N	10	0.269H	0.155	0.02UH			
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10	0.269	0.155	0.01U			
Nitrite, mg/L as N	1	0.01UH	0.01U	0.01UH			
Solids, Total Suspended, mg/L		2U	172	1	1U	1U	
Sulfate, mg/L	250	35D	75D	23.2	10.8	12.3	
Metals							
Antimony, Dissolved, ug/L	6		0.941	0.197J	0.2U	0.2U	
Arsenic, Dissolved, mg/L	0.0000027	0.00475	0.00235	0.00849	0.00313	0.00322	
Barium, Dissolved, mg/L	2	0.00956	0.00149	0.0171	0.0297	0.0319	
Cadmium, Dissolved, mg/L	0.005	0.0001U	0.0001U	0.0001U	0.0001U	0.0001U	
Calcium, Dissolved, mg/L		38.3	42.4	25	76.5	80	
Chromium, Dissolved, mg/L	24	0.0025U	0.00833D	0.0025U	0.0025U	0.0025U	
Copper, Dissolved, ug/L	640	0.376J	0.929	0.5U	3.41	1.06	
Iron, Dissolved, mg/L	0.3	0.1U	0.1U	0.1U	0.1U	0.1U	
Lead, Dissolved, ug/L	15	0.2U	0.2U	0.2U	0.2U	0.2U	
Magnesium, Dissolved, mg/L		12.3	12.1	6.98	26.4	27	
Manganese, Dissolved, mg/L	0.05	0.004U	0.212	0.0029J	0.004U	0.004U	
Mercury, Dissolved, mg/L	0.002	0.000014J	0.000022J	0.000024J	0.000015J	0.000019J	
Potassium, Dissolved, mg/L		7.01	3.83	5.16	6.84	7.03	
Selenium, Dissolved, mg/L	0.05	0.000544J	0.000531J	0.001U	0.00196	0.00207	
Silver, Dissolved, mg/L	0.08	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	
Sodium, Dissolved, mg/L		21.3	19.5	19.9	26.9	27.7	
Zinc, Dissolved, mg/L	4.8	0.006U	0.00553J	0.006U	0.018	0.00842	
VOC							
1,1,1,2-Tetrachloroethane, ug/L	1.683	0.2U	0.2U	0.2U	0.2U	0.2U	
1,1,1-Trichloroethane (TCA), ug/L	200	0.2U	0.2U	0.2U	0.2U	0.2U	
1,1,2,2-Tetrachloroethane, ug/L	0.2188	0.2U	0.2U	0.2U	0.2U	0.2U	

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EMPC - Estimated Maximum Possible Concentration

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L	240000	0.2U	0.67	0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L	0.77	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethane, ug/L	7.675	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L	7	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L	6.4	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L	0.00038	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2,4-Trichlorobenzene, ug/L	1.5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L	0.014	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2-Dibromoethane (EDB), ug/L	0.01	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
1,2-Dichlorobenzene, ug/L	600	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.48	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	1.2	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L	4800	5U	5U	5U	5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L		1U	1U	1U	1U	1U	1U
2-Chlorotoluene, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
2-Hexanone, ug/L	40	5U	5U	5U	5U	5U	5U
2-Pentanone, ug/L		5U	5U	5U	5U	5U	5U
4-Chlorotoluene, ug/L	160	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L	32	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L	640	5U	5U	5U	5U	5U	5U
Acetone, ug/L	7200	5U	5U	5U	5U	5U	5U
Acrolein, ug/L	4	5UY	5UY	5UY	5UY	5UY	5UY
Acrylonitrile, ug/L	0.081	1UY	1UY	1UY	1UY	1UY	1UY
Benzene, ug/L	0.8	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromobenzene, ug/L	64	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.71	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromoform, ug/L	5.5	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromomethane, ug/L	11	1U	1U	1U	1U	1U	1U
Carbon Disulfide, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.63	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroform, ug/L	1.4	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L	16	0.51	0.2U	0.2U	0.2U	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dibromochloromethane, ug/L	0.52	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Dibromomethane, ug/L	80		0.2U	0.2U	0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L	1600		0.5Q	0.2U	0.2U	0.25Q	0.25Q
Dichloromethane(Methylene Chloride), ug/L	5		1U	1U	1U	1U	1U
Ethylbenzene, ug/L	700		0.2U	0.2U	0.2U	0.2U	0.2U
Iodomethane, ug/L			1U	1U	1U	1U	1U
Isopropylbenzene (Cumene), ug/L	800		0.2U	0.2U	0.2U	0.2U	0.2U
m,p-Xylene, ug/L	1000		0.4U	0.4U	0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L	20		0.5U	0.5U	0.5U	0.5U	0.5U
Naphthalene, ug/L	160		0.01U	0.01U	0.01U	0.5U	0.5U
n-Butylbenzene, ug/L	400		0.2U	0.2U	0.2U	0.2U	0.2U
n-Propylbenzene, ug/L	800		0.2U	0.2U	0.2U	0.2U	0.2U
o-Xylene, ug/L	1000		0.2U	0.2U	0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L	800		0.2U	0.2U	0.2U	0.2U	0.2U
Styrene, ug/L	100		0.2U	0.2U	0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L	800		0.2U	0.2U	0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	5		6.46	1.05	0.31	4.84	4.84
Toluene, ug/L	640		0.2U	0.2U	0.2U	0.2U	0.2U
Total Xylenes, ug/L	1000		0.6U	0.6U	0.6U	0.6U	0.6U
trans-1,2-Dichloroethene, ug/L	100		0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L			0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L			1U	1U	1U	1U	1U
Trichloroethene (TCE), ug/L	0.54		0.57	0.2U	0.2U	0.26	0.27
Trichlorofluoromethane (CFC 11), ug/L	2400		0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Acetate, ug/L	8000		0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.029		0.02U	0.02U	0.11	0.02U	0.02U

Chlorinated Pesticides

4,4'-DDD, ug/L	0.36		0.0013U	0.0013U	0.0013U
4,4'-DDE, ug/L	0.1287		0.0013U	0.0013U	0.0013U
4,4'-DDT, ug/L	0.2574		0.0013U	0.0013U	0.0013U
Aldrin, ug/L	0.00257		0.0006U	0.0006U	0.0006U
alpha-BHC, ug/L	0.0139		0.0006U	0.0006U	0.0006U
Alpha-Chlordane, ug/L	4		0.0006U	0.0006U	0.0006U
beta-BHC, ug/L	0.0486		0.0006U	0.0006U	0.0006U
delta-BHC, ug/L	0.00096		0.0006U	0.0006U	0.0006U
Endosulfan I, ug/L			0.0006U	0.0006U	0.0006U
Endosulfan II, ug/L			0.0013U	0.0013U	0.0013U
Endosulfan sulfate, ug/L	96		0.0013U	0.0013U	0.0013U
Endrin, ug/L	2		0.0013U	0.0013U	0.0013U
Endrin aldehyde, ug/L			0.0013U	0.0013U	0.0013U
Endrin ketone, ug/L			0.0013U	0.0013U	0.0013U
gamma-BHC (Lindane), ug/L	0.08		0.0006U	0.0006U	0.0006U
Heptachlor, ug/L	0.0097		0.0006U	0.0006U	0.0006U
Heptachlor Epoxide, ug/L	0.0048		0.0006U	0.0006U	0.0006U
Hexachlorobenzene, ug/L	0.027		0.0013U	0.0013U	0.0013U

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Hexachlorobutadiene, ug/L	0.56		0.0013U	0.0013U	0.0013U	0.5U	0.5U
Methoxychlor, ug/L	40		0.0063U	0.0063U	0.0063U		
Oxychlorane, ug/L			0.0013U	0.0013U	0.0013U		
trans-Chlordane, ug/L	4		0.0006U	0.0006U	0.0006U		
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD, pg/L			10U	10U	9.54U		
1,2,3,4,6,7,8-HpCDF, pg/L			20U	20U	19.1U		
1,2,3,4,7,8,9-HpCDF, pg/L			10U	10U	9.54U		
1,2,3,4,7,8-HxCDD, pg/L	14		10U	10U	9.54U		
1,2,3,4,7,8-HxCDF, pg/L			10U	10U	9.54U		
1,2,3,6,7,8-HxCDD, pg/L			10U	10U	9.54U		
1,2,3,6,7,8-HxCDF, pg/L			10U	10U	9.54U		
1,2,3,7,8,9-HxCDD, pg/L	14		10U	10U	9.54U		
1,2,3,7,8,9-HxCDF, pg/L			10U	10U	9.54U		
1,2,3,7,8-PeCDD, pg/L			10U	10U	9.54U		
1,2,3,7,8-PeCDF, pg/L			10U	10U	9.54U		
2,3,4,6,7,8-HxCDF, pg/L			10U	10U	9.54U		
2,3,4,7,8-PeCDF, pg/L			10U	10U	9.54U		
2,3,7,8-TCDD, pg/L	0.34		10UY	10UY	9.54UY		
2,3,7,8-TCDF, pg/L			10U	10U	9.54U		
OCDD, pg/L			8.4JB	13.3JB	5.66EMPC		
OCDF, pg/L			20U	20U	19.1U		
Total HpCDD, pg/L			10U	10U	9.54U		
Total HpCDF, pg/L			10U	10U	9.54U		
Total HxCDD, pg/L			10U	10U	9.54U		
Total HxCDF, pg/L			10U	10U	9.54U		
Total PeCDD, pg/L			10U	10U	9.54U		
Total PeCDF, pg/L			10U	10U	9.54U		
Total TCDD, pg/L	0.34		10UY	10UY	9.54UY		
Total TCDF, pg/L			10U	10U	9.54U		
PFAS							
11CI-PF3OUdS, ng/L			1.5U	1.5U	1.4U		
3:3 FTCA, ng/L			2.9U	7.6	2.9U		
4,8-Dioxa-3H-perfluorononanoic acid, ng/L			1.5U	1.5U	1.4U		
4:2 FTS, ng/L			2.9U	3U	2.9U		
5:3 FTCA, ng/L			7.3U	7.6U	7.2U		
6:2 FTS, ng/L	3200		2.9U	3U	2.9U		
7:3 FTCA, ng/L			7.3U	7.6U	7.2U		
8:2 FTS, ng/L			2.9U	3U	2.9U		
9CI-PF3ONS, ng/L			1.5U	1.5U	1.4U		
HFPO-DA (GenX), ng/L	10		1.1U	1.1U	1.1U		
NEtFOSA, ng/L			1.5U	1.5U	1.4U		
NEtFOSAA, ng/L			1.5U	1.5U	1.4U		
NEtFOSE, ng/L			7.3U	7.6U	7.2U		

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
NFDHA, ng/L			1.5U	1.5U	1.4U		
NMeFOSA, ng/L			1.5U	1.5U	1.4U		
NMeFOSAA, ng/L			1.5U	1.1J	1.4U		
NMeFOSE, ng/L			7.3U	7.6U	7.2U		
Perfluorobutanesulfonic acid (PFBS), ng/L	4800		1.5U	1.5U	0.53J		
Perfluorobutanoic acid (PFBA), ng/L	8000		2.9U	360	7.3		
Perfluorodecanesulfonic acid (PFDS), ng/L			1.5U	1.5U	1.4U		
Perfluorodecanoic acid (PFDA), ng/L	0.032		1.5UY	0.4EMPC	1.4UY		
Perfluorododecanesulfonic acid, ng/L			1.5U	1.5U	1.4U		
Perfluorododecanoic acid (PFDoA), ng/L			1.5U	1.5U	1.4U		
Perfluoroheptanesulfonic acid, ng/L			1.5U	1.5U	1.4U		
Perfluoroheptanoic acid (PFHpA), ng/L			1.5U	0.49EMPC	1.4U		
Perfluorohexanesulfonic acid, ng/L	0.0064		1.5UY	1.5UY	1.4UY		
Perfluorohexanoic acid (PFHxA), ng/L	8000		1.5U	0.73J	1.4U		
Perfluorononanesulfonic acid (PFNS), ng/L			1.5U	1.5U	1.4U		
Perfluorononanoic acid (PFNA), ng/L	10		1.5U	1.5U	1.4U		
Perfluorooctanesulfonamide (PFOSA), ng/L			1.5U	1.5U	1.4U		
Perfluorooctanesulfonic acid (PFOS), ng/L	1.6		1.5U	1.4J	1.4U		
Perfluorooctanoic acid (PFOA), ng/L	0.003		1.5UY	2.5	0.91J		
Perfluoropentanesulfonic acid, ng/L			1.5U	1.5U	1.4U		
Perfluoropentanoic acid (PFPeA), ng/L			1.5U	57	5.3		
Perfluorotetradecanoic acid, ng/L			1.5U	1.5U	1.4U		
Perfluorotridecanoic acid (PFTrDA), ng/L			1.5U	1.5U	1.4U		
Perfluoroundecanoic acid (PFUnA), ng/L			1.5U	1.5U	1.4U		
PFEESA, ng/L			1.5U	1.5U	1.4U		
PFMBA, ng/L			1.5U	1.5U	1.4U		
PFMPA, ng/L			1.5U	1.5U	1.4U		

SVOC

1,2,4-Trichlorobenzene, ug/L	1.5	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-Dichlorobenzene, ug/L	600	0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1	0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dioxane, ug/L	0.4375	0.4U				
1-Methylnaphthalene, ug/L	0.8578	0.01U	0.01U	0.01U		
2,3,4,6-Tetrachlorophenol, ug/L	480	1U	1U	1U		
2,4,5-Trichlorophenol, ug/L	1600	5U	5U	5U		
2,4,6-Trichlorophenol, ug/L	7.955	5U	5U	5U		
2,4-Dichlorophenol, ug/L	48	5U	5U	5U		
2,4-Dimethylphenol, ug/L	320	5U	5U	5U		
2,4-Dinitrophenol, ug/L	32	10U	10U	10U		
2,4-Dinitrotoluene, ug/L	1.6	5UY	5UY	5UY		
2,6-Dinitrotoluene, ug/L	1.6	5UY	5UY	5UY		
2-Chloronaphthalene, ug/L	640	1U	1U	1U		
2-Chlorophenol, ug/L	40	1U	1U	1U		

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J - Estimated value. B - Compound found in blank.

M - Estimated value - low spectral match parameters.

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EMPC - Estimated Maximum Possible Concentration

The Screening Criteria is the most stringent value in CLARC (published February 2025).

Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
2-Methyl-4,6-dinitrophenol, ug/L	1.28		10UY	10UY	10UY		
2-Methylnaphthalene, ug/L	32		0.01U	0.01U	0.01U		
2-Methylphenol, ug/L	800		1U	1U	1U		
2-Nitroaniline, ug/L	160		5U	5U	5U		
2-Nitrophenol, ug/L			5U	5U	5U		
3,3'-Dichlorobenzidine, ug/L	0.19		5UY	5UY	5UY		
3-Nitroaniline, ug/L			5U	5U	5U		
4-Bromophenyl Phenyl Ether, ug/L			1U	1U	1U		
4-Chloro-3-methylphenol, ug/L	1600		5U	5U	5U		
4-Chloroaniline, ug/L	0.4375		5UY	5UY	5UY		
4-Chlorophenyl Phenyl Ether, ug/L			1U	1U	1U		
4-Methylphenol, ug/L	1600		1U	1U	1U		
4-Nitroaniline, ug/L	4.375		5UY	5UY	5UY		
4-Nitrophenol, ug/L			5U	5U	5U		
Acenaphthene, ug/L	480		0.01U	0.01U	0.01U		
Acenaphthylene, ug/L			0.01U	0.01U	0.01U		
Anthracene, ug/L	2400		0.01U	0.01U	0.01U		
Benz(a)anthracene, ug/L	1.4		0.01U	0.01U	0.01U		
Benzo(a)pyrene, ug/L	0.023		0.01U	0.01U	0.01U		
Benzo(b)fluoranthene, ug/L	0.023		0.01U	0.01U	0.01U		
Benzo(g,h,i)perylene, ug/L			0.01U	0.01U	0.01U		
Benzo(j)fluoranthene, ug/L			0.01U	0.01U	0.01U		
Benzo(k)fluoranthene, ug/L			0.01U	0.01U	0.01U		
Benzo(a)fluoranthene, Total, ug/L			0.01U	0.01U	0.01U		
Benzoic Acid, ug/L	64000		10U	10U	10U		
Benzyl Alcohol, ug/L	1600		1U	1U	1U		
Bis(2-chloroethoxy)methane, ug/L	48		1U	1U	1U		
Bis(2-chloroethyl) Ether, ug/L	0.0398		1UY	1UY	1UY		
Bis(2-chloroisopropyl) Ether, ug/L	0.625		1UY	1UY	1UY		
Bis(2-ethylhexyl) Phthalate, ug/L	6		1U	1U	1U		
Butylbenzyl Phthalate, ug/L	46		1U	1U	1U		
Carbazole, ug/L			0.01U	0.01U	0.01U		
Chrysene, ug/L			0.01U	0.01U	0.01U		
Dibenz(a,h)anthracene, ug/L			0.01U	0.01U	0.01U		
Dibenzofuran, ug/L	8		0.01U	0.01U	0.01U		
Diethyl Phthalate, ug/L	12800		1U	1U	1U		
Dimethyl Phthalate, ug/L			1U	1U	1U		
Di-n-butyl Phthalate, ug/L	1600		1U	1U	1U		
Di-n-Octyl phthalate, ug/L	160		1U	1U	1U		
Fluoranthene, ug/L	640		0.01U	0.01U	0.01U		
Fluorene, ug/L	320		0.01U	0.01U	0.01U		
Hexachlorocyclopentadiene, ug/L	48		5U	5U	5U		
Hexachloroethane, ug/L	1.094		1U	1U	1U		
Indeno(1,2,3-cd)pyrene, ug/L			0.01U	0.01U	0.01U		
Isophorone, ug/L	92		1U	1U	1U		

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Table 2c. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q3

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Naphthalene, ug/L	160		0.01U	0.01U	0.01U	0.5U	0.5U
Nitrobenzene, ug/L	16		1U	1U	1U		
N-Nitroso-Di-N-Propylamine, ug/L	0.0125		1UY	1UY	1UY		
N-Nitrosodiphenylamine, ug/L	17.86		1U	1U	1U		
Pentachlorophenol, ug/L	0.22		5UY	5UY	5UY		
Perylene, ug/L			0.01U	0.01U	0.01U		
Phenanthrene, ug/L			0.01U	0.01U	0.01U		
Phenol, ug/L	4800		1U	1U	1U		
Pyrene, ug/L	240		0.01U	0.01U	0.01U		

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Field Parameters							
Depth to Water, Ft.		243.6	244.08	183.49	193.28		
Dissolved oxygen, mg/L			8.11		7.63	12.43	7.08
Oxidation Reduction Potential, mV			110.3		87.9	137.6	155.2
pH, Field, std. units			7.65		8.2	7.94	7.69
Specific Conductance @ 25C, Field, umhos/cm			237		315	405	779
Temperature, C			15.29		15.45	11.32	10.76
Inorganics							
Alkalinity as CaCO ₃ , Total, mg/L CaCO ₃			146	166	109	201	203
Alkalinity, Bicarbonate, mg/L CaCO ₃			146	166	109	201	203
Ammonia, Total, mg/L as N			0.04U	0.04U	0.04U		
Carbon, Total Organic, mg/L			5.6	10.38	7.84		
Carbonate, mg/L			1U	1U	1U	1U	1U
Chemical Oxygen Demand (COD), mg/L			29.1	10U	29.4		
Chloride, mg/L	250		8.27		4.21	33.1D	32.7D
Nitrate, mg/L as N	10		0.02UH	0.842	0.02UH		
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10		0.018	0.842	0.01U		
Nitrite, mg/L as N	1		0.01UH	0.01U	0.01UH		
Solids, Total Suspended, mg/L			1U	25	7	1U	1U
Sulfate, mg/L	250		35.8D		25.7	62.8D	77.1D
Metals							
Antimony, Dissolved, ug/L	6		0.2U			0.2U	0.2U
Antimony, Total, ug/L	6			0.401	0.534		
Arsenic, Dissolved, mg/L	0.0000027		0.00421			0.00301	0.00308
Arsenic, Total, mg/L	0.0000027			0.008	0.00914		
Barium, Dissolved, mg/L	2		0.00922			0.0285	0.0287
Barium, Total, mg/L	2			0.0326	0.0173		
Cadmium, Dissolved, mg/L	0.005		0.0001U			0.0001U	0.0001U
Cadmium, Total, mg/L	0.005			0.000115	0.0001U		
Calcium, Dissolved, mg/L			36.8			78	81.5
Calcium, Total, mg/L				70.8	26.3		
Chromium, Dissolved, mg/L	24		0.005U			0.005U	0.005U
Chromium, Total, mg/L	24			0.0114D	0.00294D		
Copper, Dissolved, ug/L	640		0.82			2.84	2.67
Copper, Total, ug/L	640			5.22	2.28		
Iron, Dissolved, mg/L	0.3		0.1U			0.1U	0.1U
Iron, Total, mg/L	0.3			1.47	0.0904J		
Lead, Dissolved, ug/L	15		0.2U			0.114J	0.2U
Lead, Total, ug/L	15			1.62	1.13		
Magnesium, Dissolved, mg/L			11.8			25.7	26.5
Magnesium, Total, mg/L				15.6	7.15		
Manganese, Dissolved, mg/L	0.05		0.004U			0.004U	0.004U
Manganese, Total, mg/L	0.05			0.109	0.0037J		

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Mercury, Dissolved, mg/L	0.002		0.0001U	0.0001U	0.0001U	0.0001U	0.0001U
Potassium, Dissolved, mg/L			6.74			6.79	6.97
Potassium, Total, mg/L				4.61	5.35		
Selenium, Dissolved, mg/L	0.05		0.001U			0.0022	0.00204
Selenium, Total, mg/L	0.05			0.00223	0.001U		
Silver, Dissolved, mg/L	0.08		0.0002U			0.0002U	0.0002U
Sodium, Dissolved, mg/L			20.4			26	26.9
Sodium, Total, mg/L				25	20.4		
Zinc, Dissolved, mg/L	4.8		0.006U			0.0536	0.0207
Zinc, Total, mg/L	4.8			0.0203	0.00411J		
VOC							
1,1,1,2-Tetrachloroethane, ug/L	1.683		0.2U	0.2U	0.2U	0.2U	0.2U
1,1,1-Trichloroethane (TCA), ug/L	200		0.2U	0.2U	0.2U	0.2U	0.2U
1,1,2,2-Tetrachloroethane, ug/L	0.2188		0.2U	0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L	240000		0.2U	0.2U	0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L	0.77		0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethane, ug/L	7.675		0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L	7		0.2U	0.2U	0.2U	0.2U	0.2U
1,1-Dichloropropene, ug/L			0.2U	0.2U	0.2U	0.2U	0.2U
1,2,3-Trichlorobenzene, ug/L	6.4		0.5U	0.5U	0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L	0.00038		0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2,4-Trichlorobenzene, ug/L	1.5		0.4U	0.5U	0.4U	0.5U	0.5U
1,2,4-Trimethylbenzene, ug/L	80		0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L	0.014		0.5UY	0.5UY	0.5UY	0.5UY	0.5UY
1,2-Dibromoethane (EDB), ug/L	0.01		0.2UY	0.2UY	0.2UY	0.2UY	0.2UY
1,2-Dichlorobenzene, ug/L	600		0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.48		0.2U	0.2U	0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	1.2		0.2U	0.2U	0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L	80		0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L			0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichloropropane, ug/L	160		0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1		0.2U	0.2U	0.2U	0.2U	0.2U
2,2-Dichloropropane, ug/L			0.2U	0.2U	0.2U	0.2U	0.2U
2-Butanone (MEK), ug/L	4800		5U	5U	5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L			1U	1U	1U	1U	1U
2-Chlorotoluene, ug/L	160		0.2U	0.2U	0.2U	0.2U	0.2U
2-Hexanone, ug/L	40		5U	5U	5U	5U	5U
2-Pentanone, ug/L			5U	5U	5U	5U	5U
4-Chlorotoluene, ug/L	160		0.2U	0.2U	0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L	32		0.2U	0.2U	0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L	640		5U	5U	5U	5U	5U
Acetone, ug/L	7200		5U	5U	5U	5U	5U
Acrolein, ug/L	4		5UY	5UY	5UY	5UY	5UY
Acrylonitrile, ug/L	0.081		1UY	1UY	1UY	1UY	1UY

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Benzene, ug/L	0.8	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromobenzene, ug/L	64	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromochloromethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.71	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromoform, ug/L	5.5	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Bromomethane, ug/L	11	1U	1U	1U	1U	1U	1U
Carbon Disulfide, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.63	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chlorobenzene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroethane, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloroform, ug/L	1.4	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Chloromethane, ug/L		0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-Dichloroethene, ug/L	16	0.66	0.2U	0.2U	0.2U	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dibromochloromethane, ug/L	0.52	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dibromomethane, ug/L	80	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L	1600	0.43	0.2U	0.2U	0.23	0.27	
Dichloromethane(Methylene Chloride), ug/L	5	1U	1U	1U	1U	1U	1U
Ethylbenzene, ug/L	700	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Iodomethane, ug/L		1U	1U	1U	1U	1U	1U
Isopropylbenzene (Cumene), ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
m,p-Xylene, ug/L	1000	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L	20	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Naphthalene, ug/L	160	0.091B	0.5U	0.034B	0.5U	0.5U	0.5U
n-Butylbenzene, ug/L	400	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
n-Propylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
o-Xylene, ug/L	1000	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Styrene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L	800	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	5	6.46	1.02	0.26	5.2	5.43	
Toluene, ug/L	640	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Total Xylenes, ug/L	1000	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U
trans-1,2-Dichloroethene, ug/L	100	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,3-Dichloropropene, ug/L		0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
trans-1,4-Dichloro-2-butene, ug/L		1U	1U	1U	1U	1U	1U
Trichloroethene (TCE), ug/L	0.54	0.97	0.2U	0.2U	0.28	0.27	
Trichlorofluoromethane (CFC 11), ug/L	2400	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Acetate, ug/L	8000	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.029	0.02U	0.02U	0.02U	0.02U	0.02U	0.02U

Chlorinated Pesticides

4,4'-DDD, ug/L	0.36	0.0025U	0.0025U
4,4'-DDE, ug/L	0.1287	0.0025U	0.0025U
4,4'-DDT, ug/L	0.2574	0.0025U	0.0025U

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Aldrin, ug/L	0.00257		0.0013U		0.0013U		
alpha-BHC, ug/L	0.0139		0.0013U		0.0013U		
Alpha-Chlordane, ug/L	4		0.0013U		0.0013U		
beta-BHC, ug/L	0.0486		0.0013U		0.0013U		
delta-BHC, ug/L	0.00096		0.0013UY		0.0013UY		
Endosulfan I, ug/L			0.0013U		0.0013U		
Endosulfan II, ug/L			0.0025U		0.0025U		
Endosulfan sulfate, ug/L	96		0.0025U		0.0025U		
Endrin, ug/L	2		0.0025U		0.0025U		
Endrin aldehyde, ug/L			0.0025U		0.0025U		
Endrin ketone, ug/L			0.0025U		0.0025U		
gamma-BHC (Lindane), ug/L	0.08		0.0013U		0.0013U		
Heptachlor, ug/L	0.0097		0.0013U		0.0013U		
Heptachlor Epoxide, ug/L	0.0048		0.0013U		0.0013U		
Hexachlorobenzene, ug/L	0.027		0.0025U		0.0025U		
Hexachlorobutadiene, ug/L	0.56		0.0025U	0.5U	0.0025U	0.5U	0.5U
Methoxychlor, ug/L	40		0.0125U		0.0125U		
Oxychlordane, ug/L			0.0025U		0.0025U		
trans-Chlordane, ug/L	4		0.0013U		0.0013U		
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD, pg/L			10.1U		10.1U		
1,2,3,4,6,7,8-HpCDF, pg/L			20.2U		20.2U		
1,2,3,4,7,8,9-HpCDF, pg/L			10.1U		10.1U		
1,2,3,4,7,8-HxCDD, pg/L	14		10.1U		10.1U		
1,2,3,4,7,8-HxCDF, pg/L			10.1U		10.1U		
1,2,3,6,7,8-HxCDD, pg/L			10.1U		10.1U		
1,2,3,6,7,8-HxCDF, pg/L			10.1U		10.1U		
1,2,3,7,8,9-HxCDD, pg/L	14		10.1U		10.1U		
1,2,3,7,8,9-HxCDF, pg/L			10.1U		10.1U		
1,2,3,7,8-PeCDD, pg/L			10.1U		10.1U		
1,2,3,7,8-PeCDF, pg/L			10.1U		10.1U		
2,3,4,6,7,8-HxCDF, pg/L			10.1U		10.1U		
2,3,4,7,8-PeCDF, pg/L			10.1U		10.1U		
2,3,7,8-TCDD, pg/L	0.34		10.1UY		10.1UY		
2,3,7,8-TCDF, pg/L			10.1U		10.1U		
OCDD, pg/L			50.5U		50.5U		
OCDF, pg/L			20.2U		20.2U		
Total HpCDD, pg/L			10.1U		10.1U		
Total HpCDF, pg/L			10.1U		10.1U		
Total HxCDD, pg/L			10.1U		10.1U		
Total HxCDF, pg/L			10.1U		10.1U		
Total PeCDD, pg/L			10.1U		10.1U		
Total PeCDF, pg/L			10.1U		10.1U		
Total TCDD, pg/L	0.34		10.1UY		10.1UY		

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Total TCDF, pg/L			10.1U		10.1U		
Herbicides							
Dinoseb, ug/L	7		2.4U				
PFAS							
11Cl-PF3OUdS, ng/L			1.7U	1.8U	1.7U		
3:3 FTCA, ng/L			3.4U	5.9	3.5U		
4,8-Dioxa-3H-perfluorononanoic acid, ng/L			1.7U	1.8U	1.7U		
4:2 FTS, ng/L			3.4U	3.5U	3.5U		
5:3 FTCA, ng/L			8.5U	8.8U	8.7U		
6:2 FTS, ng/L	3200		3.4U	3.5U	3.5U		
7:3 FTCA, ng/L			8.5U	8.8U	8.7U		
8:2 FTS, ng/L			3.4U	3.5U	3.5U		
9Cl-PF3ONS, ng/L			1.7U	1.8U	1.7U		
HFPO-DA (GenX), ng/L	10		1.3U	1.3U	1.3U		
NEtFOSA, ng/L			1.7U	1.8U	1.7U		
NEtFOSAA, ng/L			1.7U	1.8U	1.7U		
NEtFOSE, ng/L			8.5U	8.8U	8.7U		
NFDHA, ng/L			1.7U	1.8U	1.7U		
NMeFOSA, ng/L			1.7U	1.8U	1.7U		
NMeFOSAA, ng/L			1.7U	0.69J	1.7U		
NMeFOSE, ng/L			8.5U	8.8U	8.7U		
Perfluorobutanesulfonic acid (PFBS), ng/L	4800		1.7U	1.8U	0.5J		
Perfluorobutanoic acid (PFBA), ng/L	8000		3.4U	240	9.1		
Perfluorodecanesulfonic acid (PFDS), ng/L			1.7U	1.8U	1.7U		
Perfluorodecanoic acid (PFDA), ng/L	0.032		1.7UY	1.8UY	0.44J		
Perfluorododecanesulfonic acid, ng/L			1.7U	1.8U	1.7U		
Perfluorododecanoic acid (PFDoA), ng/L			1.7U	1.8U	1.7U		
Perfluoroheptanesulfonic acid, ng/L			1.7U	1.8U	1.7U		
Perfluoroheptanoic acid (PFHpA), ng/L			1.7U	1.8U	1.7U		
Perfluorohexanesulfonic acid, ng/L	0.0064		1.7UY	1.8UY	1.7UY		
Perfluorohexanoic acid (PFHxA), ng/L	8000		1.7U	0.75J	0.47J		
Perfluorononanesulfonic acid (PFNS), ng/L			1.7U	1.8U	1.7U		
Perfluorononanoic acid (PFNA), ng/L	10		1.7U	1.8U	1.7U		
Perfluorooctanesulfonamide (PFOSA), ng/L			1.7U	0.87J	1.7U		
Perfluorooctanesulfonic acid (PFOS), ng/L	1.6		1.7UY	1.3J	0.47EMPC		
Perfluorooctanoic acid (PFOA), ng/L	0.003		1.7UY	2.2	1.5J		
Perfluoropentanesulfonic acid, ng/L			1.7U	1.8U	1.7U		
Perfluoropentanoic acid (PFPeA), ng/L			1.7U	65	7.4		
Perfluorotetradecanoic acid, ng/L			1.7U	1.8U	1.7U		
Perfluorotridecanoic acid (PFTrDA), ng/L			1.7U	1.8U	1.7U		
Perfluoroundecanoic acid (PFUnA), ng/L			1.7U	1.8U	1.7U		
PFEEA, ng/L			1.7U	1.8U	1.7U		
PFMBA, ng/L			1.7U	1.8U	1.7U		
PFMPA, ng/L			1.7U	1.8U	1.7U		

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
SVOC							
1,2,4-Trichlorobenzene, ug/L	1.5		0.4U	0.5U	0.4U	0.5U	0.5U
1,2-Dichlorobenzene, ug/L	600		0.2U	0.2U	0.2U	0.2U	0.2U
1,3-Dichlorobenzene, ug/L			0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	8.1		0.2U	0.2U	0.2U	0.2U	0.2U
1,4-Dioxane, ug/L	0.4375		0.4U				
1-Methylnaphthalene, ug/L	0.8578		0.02U		0.02U		
2,3,4,6-Tetrachlorophenol, ug/L	480		0.4U		0.4U		
2,4,5-Trichlorophenol, ug/L	1600		2U		2U		
2,4,6-Trichlorophenol, ug/L	7.955		2U		2U		
2,4-Dichlorophenol, ug/L	48		2U		2U		
2,4-Dimethylphenol, ug/L	320		2U		2U		
2,4-Dinitrophenol, ug/L	32		4U		4U		
2,4-Dinitrotoluene, ug/L	1.6		2UY		2UY		
2,6-Dinitrotoluene, ug/L	1.6		2UY		2UY		
2-Chloronaphthalene, ug/L	640		0.4U		0.4U		
2-Chlorophenol, ug/L	40		0.4U		0.4U		
2-Methyl-4,6-dinitrophenol, ug/L	1.28		4UY		4UY		
2-Methylnaphthalene, ug/L	32		0.02U		0.02U		
2-Methylphenol, ug/L	800		0.4U		0.4U		
2-Nitroaniline, ug/L	160		2U		2U		
2-Nitrophenol, ug/L			2U		2U		
3,3'-Dichlorobenzidine, ug/L	0.19		2UY		2UY		
3-Nitroaniline, ug/L			2U		2U		
4-Bromophenyl Phenyl Ether, ug/L			0.4U		0.4U		
4-Chloro-3-methylphenol, ug/L	1600		2U		2U		
4-Chloroaniline, ug/L	0.4375		2UY		2UY		
4-Chlorophenyl Phenyl Ether, ug/L			0.4U		0.4U		
4-Methylphenol, ug/L	1600		0.4U		0.4U		
4-Nitroaniline, ug/L	4.375		2U		2U		
4-Nitrophenol, ug/L			2U		2U		
Acenaphthene, ug/L	480		0.02U		0.02U		
Acenaphthylene, ug/L			0.02U		0.02U		
Anthracene, ug/L	2400		0.02U		0.02U		
Benz(a)anthracene, ug/L	1.4		0.02U		0.02U		
Benzo(a)pyrene, ug/L	0.023		0.02U		0.02U		
Benzo(b)fluoranthene, ug/L	0.023		0.02U		0.02U		
Benzo(g,h,i)perylene, ug/L			0.02U		0.02U		
Benzo(j)fluoranthene, ug/L			0.02U		0.02U		
Benzo(k)fluoranthene, ug/L			0.02U		0.02U		
Benzo(a)fluoranthene, Total, ug/L			0.02U		0.02U		
Benzoic Acid, ug/L	64000		4U		4U		
Benzyl Alcohol, ug/L	1600		0.4U		0.4U		
Bis(2-chloroethoxy)methane, ug/L	48		0.4U		0.4U		

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Table 2d. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-4	SMW-5s	SMW-5d	DNR House	O.L. Luther
Constituent	Screening Criteria						
Bis(2-chloroethyl) Ether, ug/L	0.0398		0.4UY		0.4UY		
Bis(2-chloroisopropyl) Ether, ug/L	0.625		0.4U		0.4U		
Bis(2-ethylhexyl) Phthalate, ug/L	6		0.4U		0.9Q		
Butylbenzyl Phthalate, ug/L	46		0.4U		0.4U		
Carbazole, ug/L			0.02U		0.02U		
Chrysene, ug/L			0.02U		0.02U		
Dibenz(a,h)anthracene, ug/L			0.02U		0.02U		
Dibenzofuran, ug/L	8		0.02U		0.02U		
Diethyl Phthalate, ug/L	12800		0.4U		0.3J		
Dimethyl Phthalate, ug/L			0.4U		0.4U		
Di-n-butyl Phthalate, ug/L	1600		0.4U		0.4U		
Di-n-Octyl phthalate, ug/L	160		0.4U		0.4U		
Fluoranthene, ug/L	640		0.02U		0.02U		
Fluorene, ug/L	320		0.02U		0.02U		
Hexachlorocyclopentadiene, ug/L	48		2U		2U		
Hexachloroethane, ug/L	1.094		0.4U		0.4U		
Indeno(1,2,3-cd)pyrene, ug/L			0.02U		0.02U		
Isophorone, ug/L	92		0.4U		0.4U		
Naphthalene, ug/L	160		0.091B	0.5U	0.034B	0.5U	0.5U
Nitrobenzene, ug/L	16		0.4U		0.4U		
N-Nitroso-Di-N-Propylamine, ug/L	0.0125		0.4UY		0.4UY		
N-Nitrosodiphenylamine, ug/L	17.86		0.4U		0.4U		
Pentachlorophenol, ug/L	0.22		2UY		2UY		
Perylene, ug/L			0.02U		0.02U		
Phenanthrene, ug/L			0.02U		0.02U		
Phenol, ug/L	4800		0.4U		0.4U		
Pyrene, ug/L	240		0.02U		0.02U		

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Table 3. Detected VOCs in RI Wells, 2020 Q4-2025 Q4

Closed Snipes Mountain Landfill

Detected VOC	Event	Sample Date	Units	DNR House	OL Luther	SMW-1	SMW-4	SMW-5d	SMW-5s
1,1,2-Trichloro-1,2,2-trifluoroetha	2022 Q4	11/29/2022	ug/L	NC	NC	0.2U	0.2U	0.2U	0.79
1,1,2-Trichloro-1,2,2-trifluoroetha	2023 Q2	5/23/2023	ug/L	NC	NC	0.2U	NC	0.2U	1.45
1,1,2-Trichloro-1,2,2-trifluoroetha	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.2U	0.2U	0.2U	0.16
1,1,2-Trichloro-1,2,2-trifluoroetha	2024 Q3	8/29/2024	ug/L	NC	NC	NC	0.2U	0.2U	1.49
1,1,2-Trichloro-1,2,2-trifluoroetha	2025 Q1	2/26/2025	ug/L	0.2U	0.2U	0.2U	0.2U	0.2U	0.27
1,1,2-Trichloro-1,2,2-trifluoroetha	2025 Q3	9/16/2025	ug/L	0.2U	0.2U	NC	0.2U	0.2U	0.67
1,1-Dichloroethane	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.14	0.06	0.2U	0.2U
1,1-Dichloroethane	2025 Q1	2/26/2025	ug/L	0.2U	0.2U	0.11	0.2U	0.2U	0.2U
1,1-Dichloroethene	2020 Q4	12/29/2020	ug/L	NC	NC	0.36	0.2U	NC	0.2U
1,1-Dichloroethene	2021 Q4	12/8/2021	ug/L	NC	NC	0.36	NC	NC	0.2U
1,1-Dichloroethene	2022 Q4	11/29/2022	ug/L	NC	NC	0.29	0.2U	0.2U	0.2U
1,1-Dichloroethene	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.15	0.2U	0.2U	0.2U
1,1-Dichloroethene	2025 Q1	2/26/2025	ug/L	0.2U	0.2U	0.17	0.2U	0.2U	0.2U
1,2,4-Trimethylbenzene	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.2U	0.2U	0.08	0.2U
Acetone	2024 Q2	6/12/2024	ug/L	5U	NC	5U	5U	5U	2.13
Acetone	2024 Q4	11/20/2024	ug/L	5U	5U	NC	5U	5U	14.2
Acetone	2025 Q2	6/24/2025	ug/L	5U	6.48	NC	NC	5U	7.78
Carbon Disulfide	2021 Q2	6/10/2021	ug/L	NC	NC	0.2U	0.2U	NC	0.25
Carbon Disulfide	2022 Q4	11/29/2022	ug/L	NC	NC	0.2U	0.2U	0.2U	0.7
Carbon Disulfide	2023 Q2	5/23/2023	ug/L	NC	NC	0.2U	NC	0.2U	1.71
Carbon Disulfide	2024 Q3	8/29/2024	ug/L	NC	NC	NC	0.2U	0.2U	0.26
Carbon Disulfide	2025 Q2	6/24/2025	ug/L	0.2U	0.2U	NC	NC	0.2U	1.13
Chloroethane	2021 Q2	6/10/2021	ug/L	NC	NC	0.2U	0.29	NC	0.29
Chloroform	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.09	0.11	0.2U	0.2U
cis-1,2-Dichloroethene	2020 Q4	12/29/2020	ug/L	NC	NC	0.2U	0.44	NC	0.2U
cis-1,2-Dichloroethene	2021 Q2	6/10/2021	ug/L	NC	NC	0.24	0.2U	NC	0.2U
cis-1,2-Dichloroethene	2022 Q4	11/29/2022	ug/L	NC	NC	0.2U	0.53	0.2U	0.2U
cis-1,2-Dichloroethene	2023 Q4	12/5/2023	ug/L	NC	NC	0.2U	0.55	0.2U	0.2U
cis-1,2-Dichloroethene	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.22	0.4	0.2U	0.2U
cis-1,2-Dichloroethene	2024 Q3	8/29/2024	ug/L	NC	NC	NC	0.33	0.2U	0.2U
cis-1,2-Dichloroethene	2024 Q4	11/20/2024	ug/L	0.2U	0.2U	NC	0.58	0.2U	0.2U
cis-1,2-Dichloroethene	2025 Q1	2/26/2025	ug/L	0.11	0.14	0.17	0.77	0.2U	0.2U
cis-1,2-Dichloroethene	2025 Q2	6/24/2025	ug/L	0.11	0.2U	NC	NC	0.2U	0.2U
cis-1,2-Dichloroethene	2025 Q3	9/16/2025	ug/L	0.2U	0.2U	NC	0.51	0.2U	0.2U
cis-1,2-Dichloroethene	2025 Q4	11/19/2025	ug/L	0.2U	0.2U	NC	0.66	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2020 Q4	12/29/2020	ug/L	NC	NC	0.88	0.36	NC	0.3
Dichlorodifluoromethane (CFC 12)	2021 Q2	6/10/2021	ug/L	NC	NC	1	0.2U	NC	0.35
Dichlorodifluoromethane (CFC 12)	2021 Q4	12/8/2021	ug/L	NC	NC	1.02	NC	NC	0.2U
Dichlorodifluoromethane (CFC 12)	2022 Q2	6/21/2022	ug/L	NC	NC	0.77	NC	NC	NC
Dichlorodifluoromethane (CFC 12)	2022 Q4	11/29/2022	ug/L	NC	NC	0.6	0.38	0.2U	0.22
Dichlorodifluoromethane (CFC 12)	2023 Q2	5/23/2023	ug/L	NC	NC	0.8	NC	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2023 Q4	12/5/2023	ug/L	NC	NC	0.2U	0.31	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.56	0.35	0.2U	0.18
Dichlorodifluoromethane (CFC 12)	2024 Q3	8/29/2024	ug/L	NC	NC	NC	0.47	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2024 Q4	11/20/2024	ug/L	0.2U	0.3	NC	0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2025 Q2	6/24/2025	ug/L	0.39	0.2U	NC	NC	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2025 Q3	9/16/2025	ug/L	0.25	0.25	NC	0.5	0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	2025 Q4	11/19/2025	ug/L	0.23	0.27	NC	0.43	0.2U	0.2U
Naphthalene	2025 Q4	11/19/2025	ug/L	0.5U	0.5U	NC	0.091	0.034	0.5U
Tetrachloroethene (PCE)	2020 Q4	12/29/2020	ug/L	NC	NC	14.2	1.8	NC	2.43
Tetrachloroethene (PCE)	2021 Q2	6/10/2021	ug/L	NC	NC	17	1.16	NC	3.11
Tetrachloroethene (PCE)	2021 Q4	12/8/2021	ug/L	NC	NC	14.1	NC	NC	1.73
Tetrachloroethene (PCE)	2022 Q2	6/21/2022	ug/L	NC	NC	12	NC	NC	NC
Tetrachloroethene (PCE)	2022 Q4	11/29/2022	ug/L	NC	NC	11.3	2.34	0.2U	0.97
Tetrachloroethene (PCE)	2023 Q2	5/23/2023	ug/L	NC	NC	8.65	NC	0.2U	0.49
Tetrachloroethene (PCE)	2023 Q4	12/5/2023	ug/L	NC	NC	4.46	3.83	0.2U	1.33
Tetrachloroethene (PCE)	2024 Q2	6/12/2024	ug/L	1.43	NC	14.5	6.66	0.2U	1.56
Tetrachloroethene (PCE)	2024 Q2.2	7/23/2024	ug/L	1.26	1.95	NC	NC	NC	NC
Tetrachloroethene (PCE)	2024 Q3	8/29/2024	ug/L	NC	NC	NC	4.5	0.14	0.57
Tetrachloroethene (PCE)	2024 Q4	11/20/2024	ug/L	2.29	5.02	NC	4.53	0.2U	0.88

Table 3. Detected VOCs in RI Wells, 2020 Q4-2025 Q4

Closed Snipes Mountain Landfill

Detected VOC	Event	Sample Date	Units	DNR House	OL Luther	SMW-1	SMW-4	SMW-5d	SMW-5s
Tetrachloroethene (PCE)	2025 Q1	2/26/2025	ug/L	5.77	5.94	7.61	3.79	0.2U	1.11
Tetrachloroethene (PCE)	2025 Q2	6/24/2025	ug/L	6.01	0.84	NC	NC	0.13	1.01
Tetrachloroethene (PCE)	2025 Q3	9/16/2025	ug/L	4.84	4.84	NC	6.46	0.31	1.05
Tetrachloroethene (PCE)	2025 Q4	11/19/2025	ug/L	5.2	5.43	NC	6.46	0.26	1.02
Trichloroethene (TCE)	2020 Q4	12/29/2020	ug/L	NC	NC	0.9	0.46	NC	0.2U
Trichloroethene (TCE)	2021 Q2	6/10/2021	ug/L	NC	NC	0.89	0.2U	NC	0.23
Trichloroethene (TCE)	2021 Q4	12/8/2021	ug/L	NC	NC	0.72	NC	NC	0.2U
Trichloroethene (TCE)	2022 Q2	6/21/2022	ug/L	NC	NC	0.66	NC	NC	NC
Trichloroethene (TCE)	2022 Q4	11/29/2022	ug/L	NC	NC	0.59	0.67	0.2U	0.2U
Trichloroethene (TCE)	2023 Q2	5/23/2023	ug/L	NC	NC	0.53	NC	0.2U	0.2U
Trichloroethene (TCE)	2023 Q4	12/5/2023	ug/L	NC	NC	0.31	0.82	0.2U	0.2U
Trichloroethene (TCE)	2024 Q2	6/12/2024	ug/L	0.08	NC	0.91	0.58	0.2U	0.1
Trichloroethene (TCE)	2024 Q2.2	7/23/2024	ug/L	0.2U	0.11	NC	NC	NC	NC
Trichloroethene (TCE)	2024 Q3	8/29/2024	ug/L	NC	NC	NC	0.43	0.2U	0.2U
Trichloroethene (TCE)	2024 Q4	11/20/2024	ug/L	0.13	0.3	NC	0.87	0.2U	0.2U
Trichloroethene (TCE)	2025 Q1	2/26/2025	ug/L	0.31	0.34	0.49	0.92	0.2U	0.2U
Trichloroethene (TCE)	2025 Q2	6/24/2025	ug/L	0.33	0.2U	NC	NC	0.2U	0.2U
Trichloroethene (TCE)	2025 Q3	9/16/2025	ug/L	0.26	0.27	NC	0.57	0.2U	0.2U
Trichloroethene (TCE)	2025 Q4	11/19/2025	ug/L	0.28	0.27	NC	0.97	0.2U	0.2U
Trichlorofluoromethane (CFC 11)	2020 Q4	12/29/2020	ug/L	NC	NC	0.37	0.2U	NC	0.2U
Trichlorofluoromethane (CFC 11)	2021 Q2	6/10/2021	ug/L	NC	NC	0.35	0.2U	NC	0.2U
Trichlorofluoromethane (CFC 11)	2021 Q4	12/8/2021	ug/L	NC	NC	0.29	NC	NC	0.2U
Trichlorofluoromethane (CFC 11)	2023 Q2	5/23/2023	ug/L	NC	NC	0.24	NC	0.2U	0.2U
Trichlorofluoromethane (CFC 11)	2024 Q2	6/12/2024	ug/L	0.2U	NC	0.2	0.14	0.2U	0.2U
Vinyl Chloride	2025 Q3	9/16/2025	ug/L	0.02U	0.02U	NC	0.02U	0.11	0.02U

ug/L = micrograms per liter

J = Estimated concentration value detected below the reporting limit.

NC = Sample not collected

Q = Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20% RSD, <20% drift or minimum RRF)

U = This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD)

Table 4. Reporting Limits Above MTCA Criteria Per Quarter

Closed Snipes Mountain Landfill

Analyte Group	Analyzed Constituent	MTCA Criteria	Unit	MTCA Criteria Source	2025 Q1		2025 Q2		2025 Q3		2025 Q4	
					RL	Affected Wells	RL	Affected Wells	RL	Affected Wells	RL	Affected Wells
VOC	1,2,3-Trichloropropane	0.00038	ug/L	Method B Cancer	0.5	All	0.5	All	0.5	All	0.5	All
	1,2-Dibromo-3-chloropropane (DBCP)	0.014	ug/L	Method B Cancer	0.5	All	0.5	All	0.5	All	0.5	All
	1,2-Dibromoethane (EDB)	0.01	ug/L	Method A	0.2	All	0.2	All	0.2	All	0.2	All
	Acrolein	4	ug/L	Method B Noncancer	5	All	5	All	5	All	5	All
	Acrylonitrile	0.081	ug/L	Method B Cancer	1	All	1	All	1	All	1	All
	Vinyl chloride	0.029	ug/L	Method B Cancer	0.02	None	0.2	Offsite	0.02	None	0.02	None
Chlorinated Pesticides	Aldrin	0.00257	ug/L	Method B Potable GW	0.025	Onsite	0.0013	None	0.0006	None	0.0013	None
	Alpha-BHC	0.0139	ug/L	Method B Potable GW	0.025	Onsite	0.0013	None	0.0006	None	0.0013	None
	Delta- BHC	0.00096	ug/L	Method B Potable GW	0.025	Onsite	0.0013	Onsite	0.0006	None	0.0013	Onsite
	Heptachlor	0.0097	ug/L	Method B Cancer	0.025	Onsite	0.0013	None	0.0006	None	0.0013	None
	Heptachlor Epoxide	0.0048	ug/L	Method B Cancer	0.05	Onsite	0.0013	None	0.0006	None	0.0013	None
	Hexachlorobenzene	0.027	ug/L	Method B Cancer	0.05	Onsite	0.0025	None	0.0013	None	0.0025	None
Dioxins /Furans	1,2,3,4,7,8-HxCDD and 1,2,3,7,8,9-HxCDD (Total HxCDD)	14	pg/L	Method B Cancer	14.5	SMW-5s	9.8-10.3	None	9.54-10	None	10.1	None
	2,3,7,8-TCDD and Total TCDD	0.34	pg/L	Method B Cancer	9.43-14.5	Onsite	9.8-10.3	Onsite	9.54-10	Onsite	10.1	Onsite
PFAS	HFPO-DA (GenX)	10	ng/L	MCL	1.2-1.3	None	15	SMW-5s	1.1	None	1.3	None
	Perfluorodecanoic acid (PFDA)	0.032	ng/L	Method B Noncancer	1.6-1.7	SMW-1, SMW-4, SMW-5s	1.7-20	Onsite	1.4-1.5	Onsite	1.7-1.8	Onsite
	Perfluorohexanesulfonic acid (PFHxS)	0.0064	ng/L	Method B Noncancer	1.6-1.7	Onsite	1.7-20	Onsite	1.4-1.5	Onsite	1.7-1.8	Onsite
	Perfluorononanoic acid (PFNA)	10	ng/L	MCL	1.6-1.7	None	20	SMW-5s	1.4-1.5	None	1.7-1.8	None
	Perfluorooctanesulfonic acid (PFOS)	1.6	ng/L	Method B Noncancer	1.7	SMW-5d	20	SMW-5s	1.4-1.5	None	1.7	SMW-4
	Perfluorooctanoic acid (PFOA)	0.003	ng/L	Method B Cancer	1.6	SMW-4	20	SMW-5s	1.5	SMW-4	1.7	SMW-4
SVOC	2,4-Dinitrotoluene	1.6	ug/L	Method B Noncancer	3	Onsite	2	Onsite	5	Onsite	2	Onsite
	2,6-Dinitrotoluene	1.6	ug/L	Method B Noncancer	3	Onsite	2	Onsite	5	Onsite	2	Onsite
	2-Methyl-4,6-dinitrophenol (DNOC)	1.28	ug/L	Method B Potable GW	10	Onsite	4	Onsite	10	Onsite	4	Onsite
	3,3'-Dichlorobenzidine	0.19	ug/L	Method B Cancer	10	Onsite	2	Onsite	5	Onsite	2	Onsite
	4-Chloroaniline	0.4375	ug/L	Method B Potable GW	5	Onsite	2	Onsite	5	Onsite	2	Onsite
	4-Nitroaniline	4.375	ug/L	Method B Potable GW	3	None	2	None	5	Onsite	2	None
	Bis(2-chloroethyl) Ether	0.0398	ug/L	Method B Potable GW	1	Onsite	0.4	Onsite	1	Onsite	0.4	Onsite
	Bis(2-chloroisopropyl) Ether	0.625	ug/L	Method B Potable GW	1	Onsite	0.4	None	1	Onsite	0.4	None
	Hexachloroethane	1.094	ug/L	Method B Potable GW	2	Onsite	0.4	None	1	None	0.4	None
	N-Nitroso-Di-N-Propylamine	0.0125	ug/L	Method B Potable GW	1	Onsite	0.4	Onsite	1	Onsite	0.4	Onsite
	Pentachlorophenol	0.22	ug/L	Method B Cancer	5	Onsite	2	Onsite	5	Onsite	2	Onsite

ng/L = nanograms per liter
pg/L = picograms per liter
ug/L = micrograms per liter
GW = groundwater

MCL = Federal Maximum Contaminant Level
MTCA = Model Toxics Control Act
Onsite = SMW-1, SMW-4, SMW-5d, SMW-5s
Offsite = DNR House, O.L. Luther

PFAS = per- and polyfluoroalkyl substances
RL = Reporting Limit
SVOC = semi-volatile organic compounds
VOC = volatile organic compounds

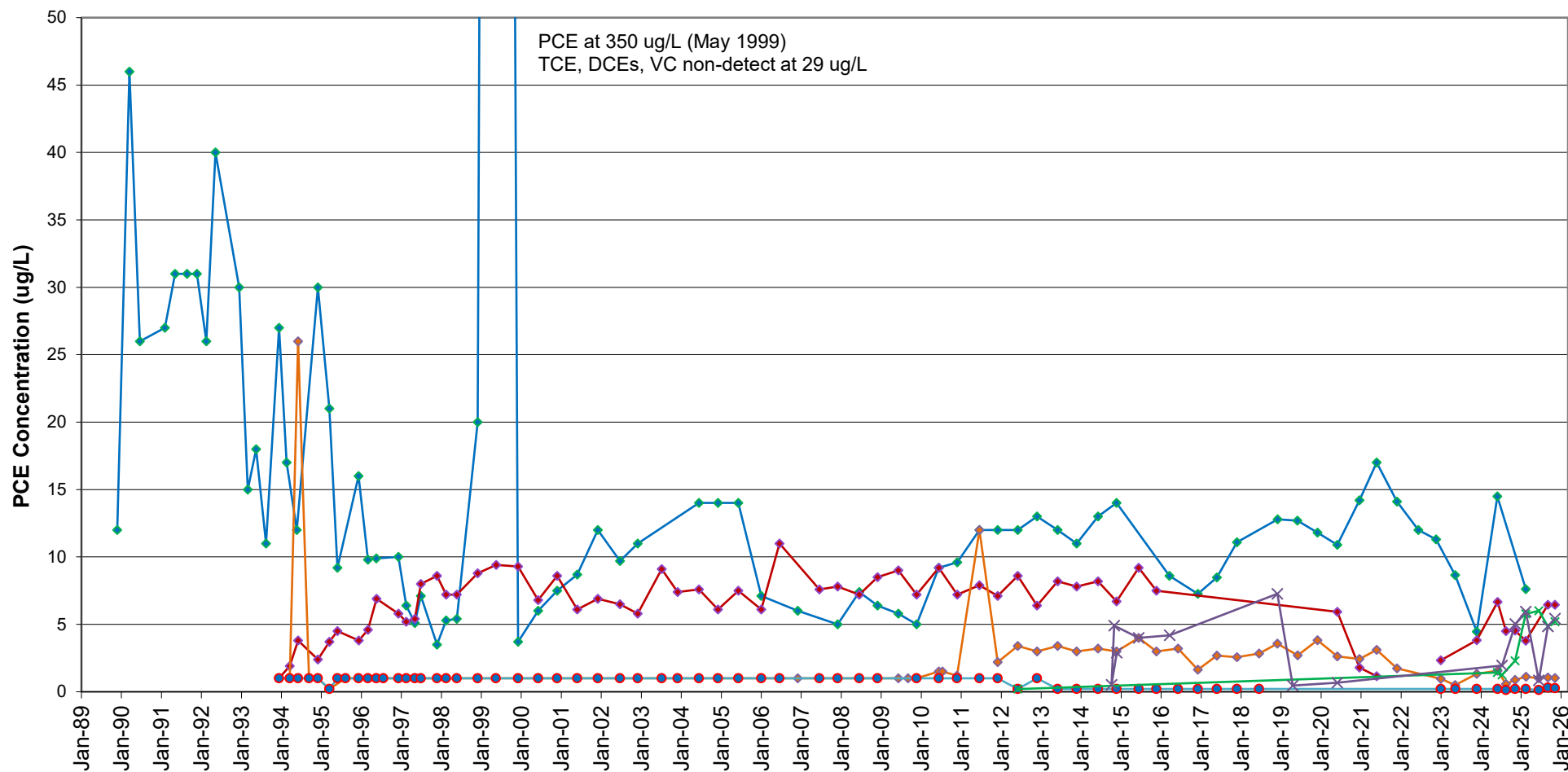


Figure 1a. Tetrachloroethene (PCE) Time Series Plot

Closed Snipes Mountain Landfill

Non-detects plotted at reporting limit.
Between 2012 and 2013, the reporting limit for PCE was reduced from 1 µg/L to 0.2 µg/L.

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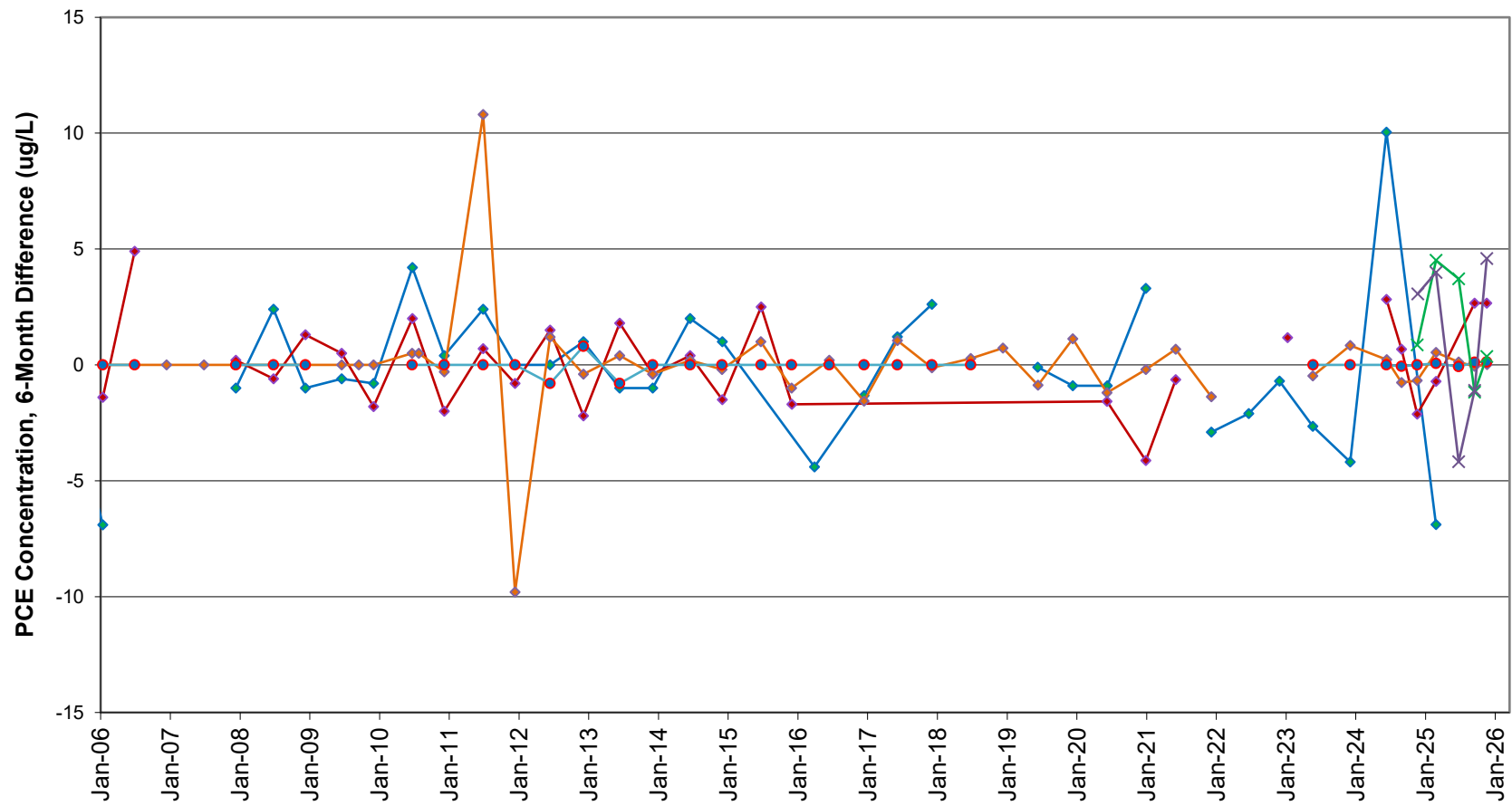
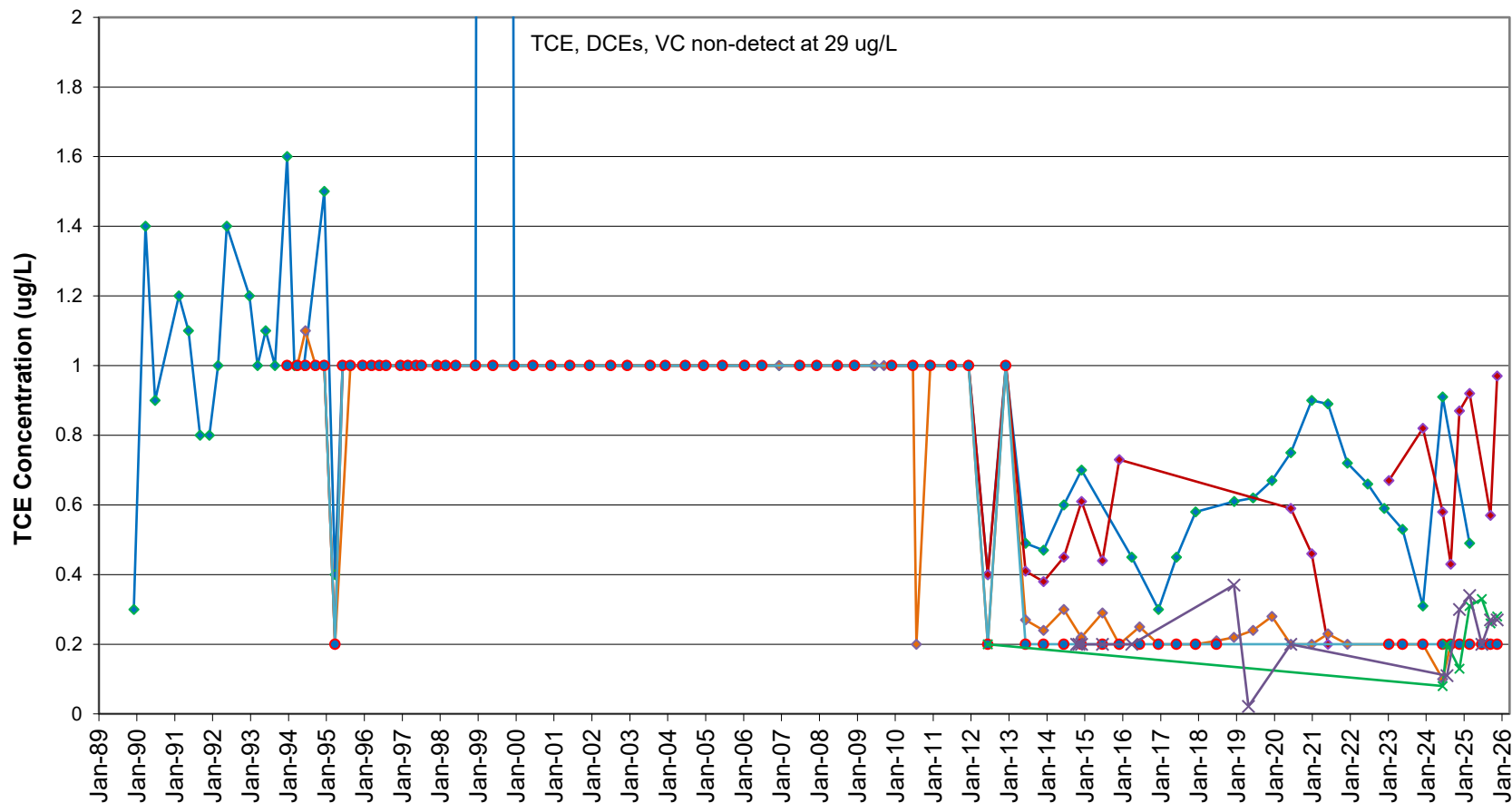


Figure 1b. Tetrachloroethene (PCE) Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill

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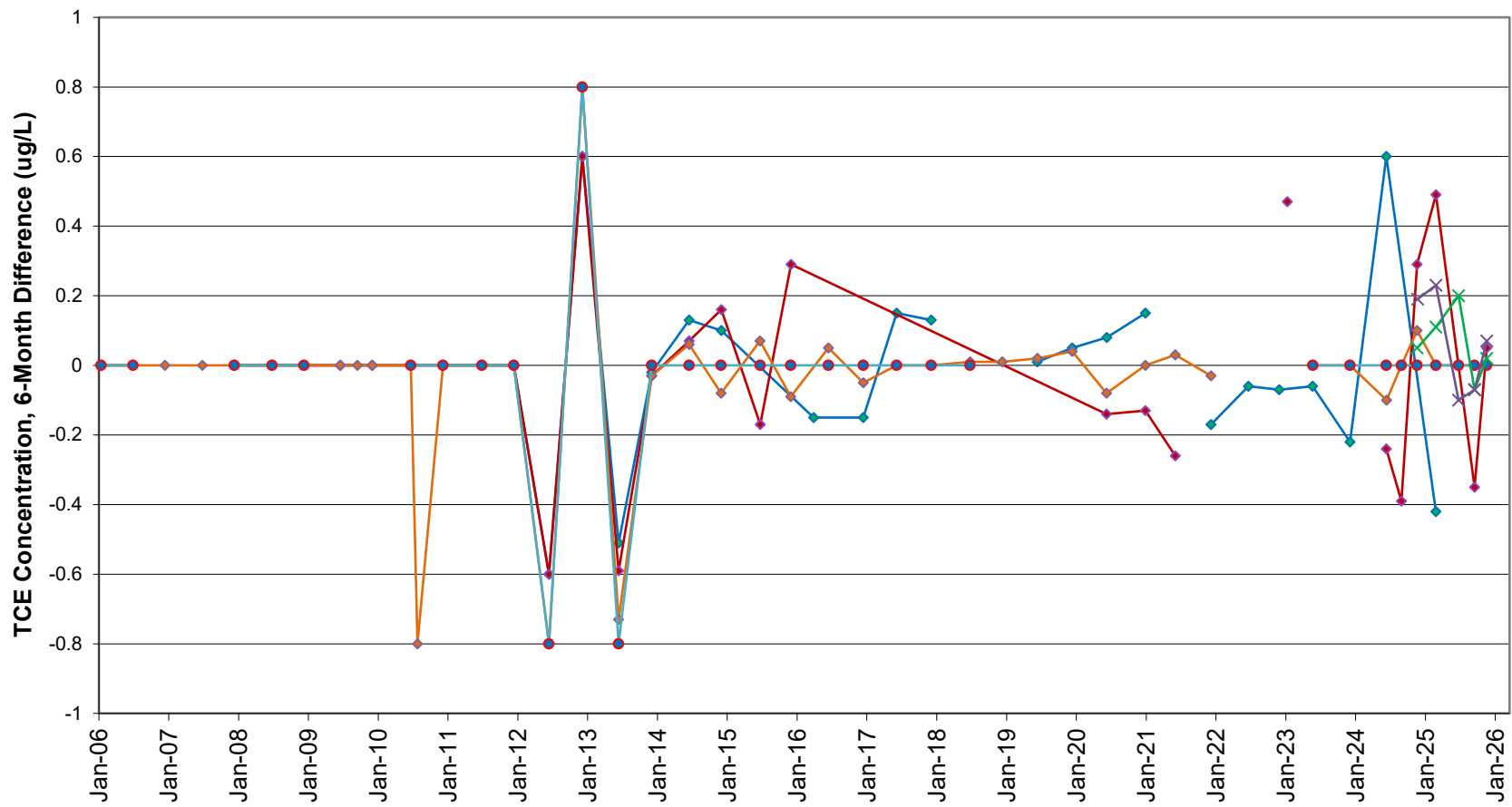


SMW-1 SMW-4 SMW-5S
 SMW-5D DNR House O.L. Luther

Non-detects plotted at reporting limit.
 Between 2012 and 2013, the reporting limit for TCE was reduced from 1 $\mu\text{g/L}$ to 0.2 $\mu\text{g/L}$.

Figure 2a. Trichloroethene (TCE) Time Series Plot
 Closed Snipes Mountain Landfill

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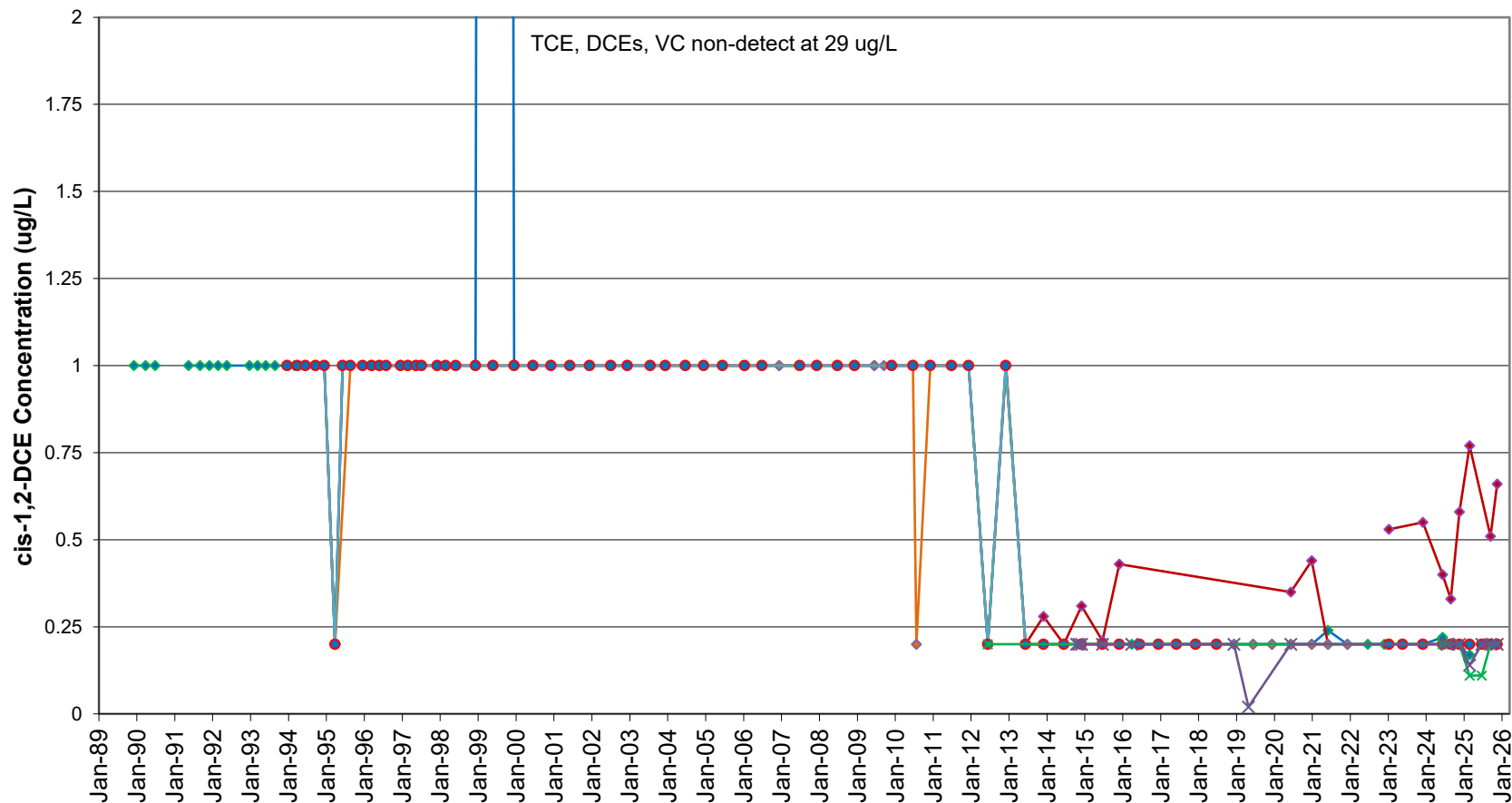


◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ◆ SMW-5D ✕ DNR House ✕ O.L. Luther

Figure 2b. Trichloroethene (TCE) Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill

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SMW-1 SMW-4 SMW-5S
 SMW-5D DNR House O.L. Luther

Figure 3a. cis-1,2-dichloroethene (cis-1,2-DCE) Time Series Plot

Closed Snipes Mountain Landfill

Non-detects plotted at reporting limit.
Between 2012 and 2013, the reporting limit for cis-1,2-DCE was reduced from 1 µg/L to 0.2 µg/L.

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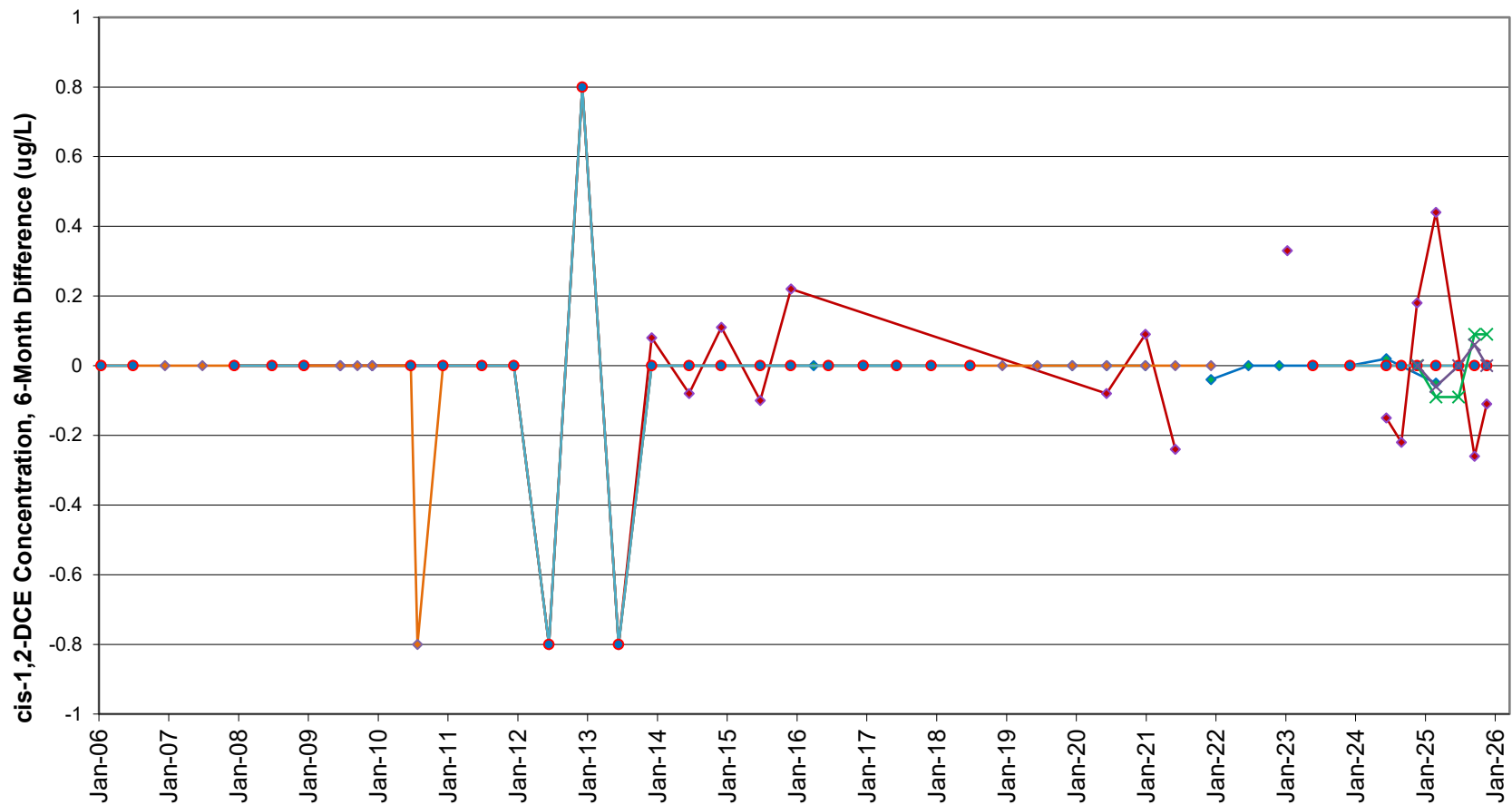
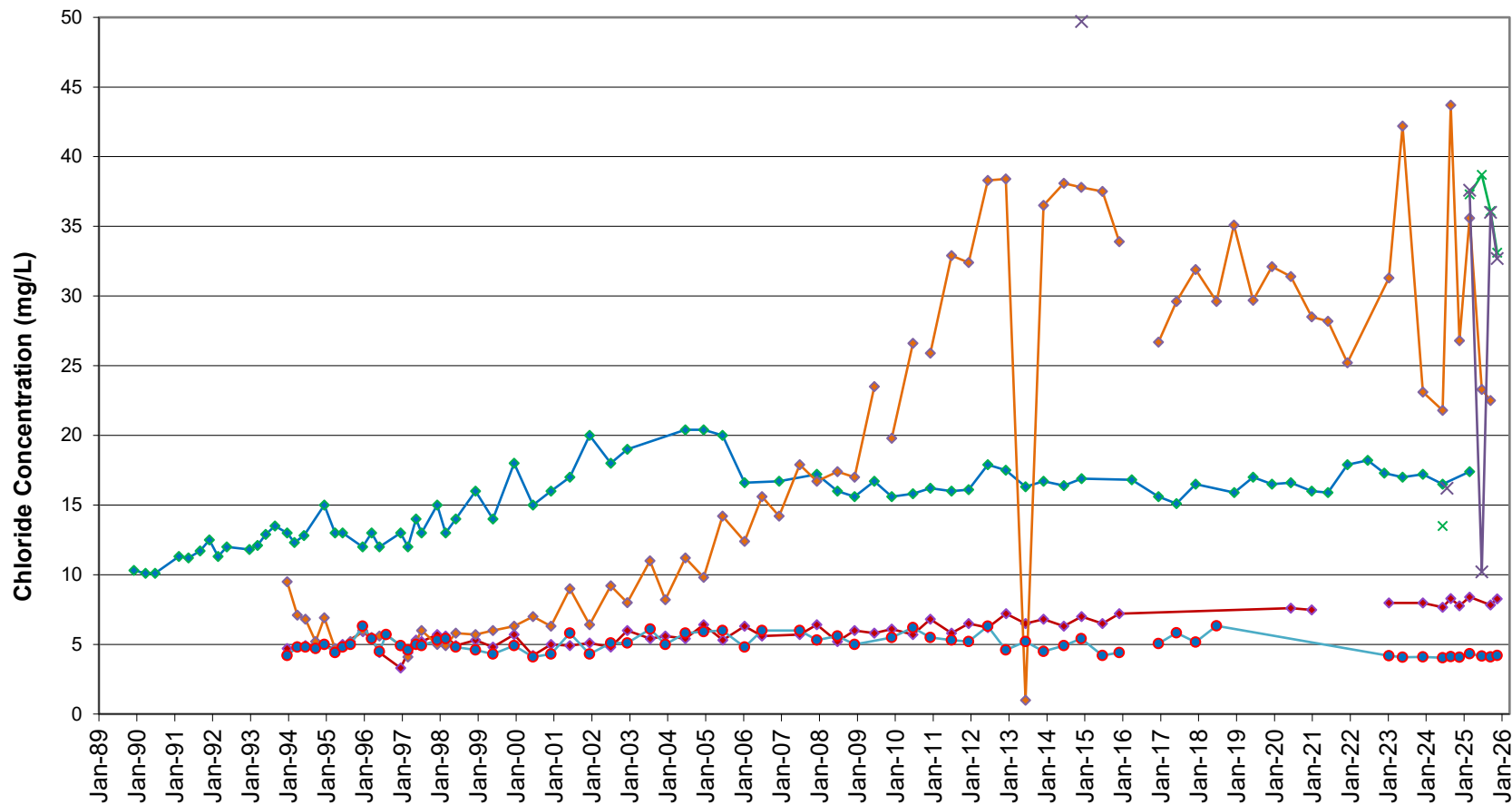


Figure 3b. cis-1,2-dichloroethene (cis-1,2-DCE) Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill



◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ● SMW-5D ✕ DNR House ✕ O.L. Luther

Non-detects plotted at reporting limit

Figure 4a. Chloride Time Series Plot

Closed Snipes Mountain Landfill

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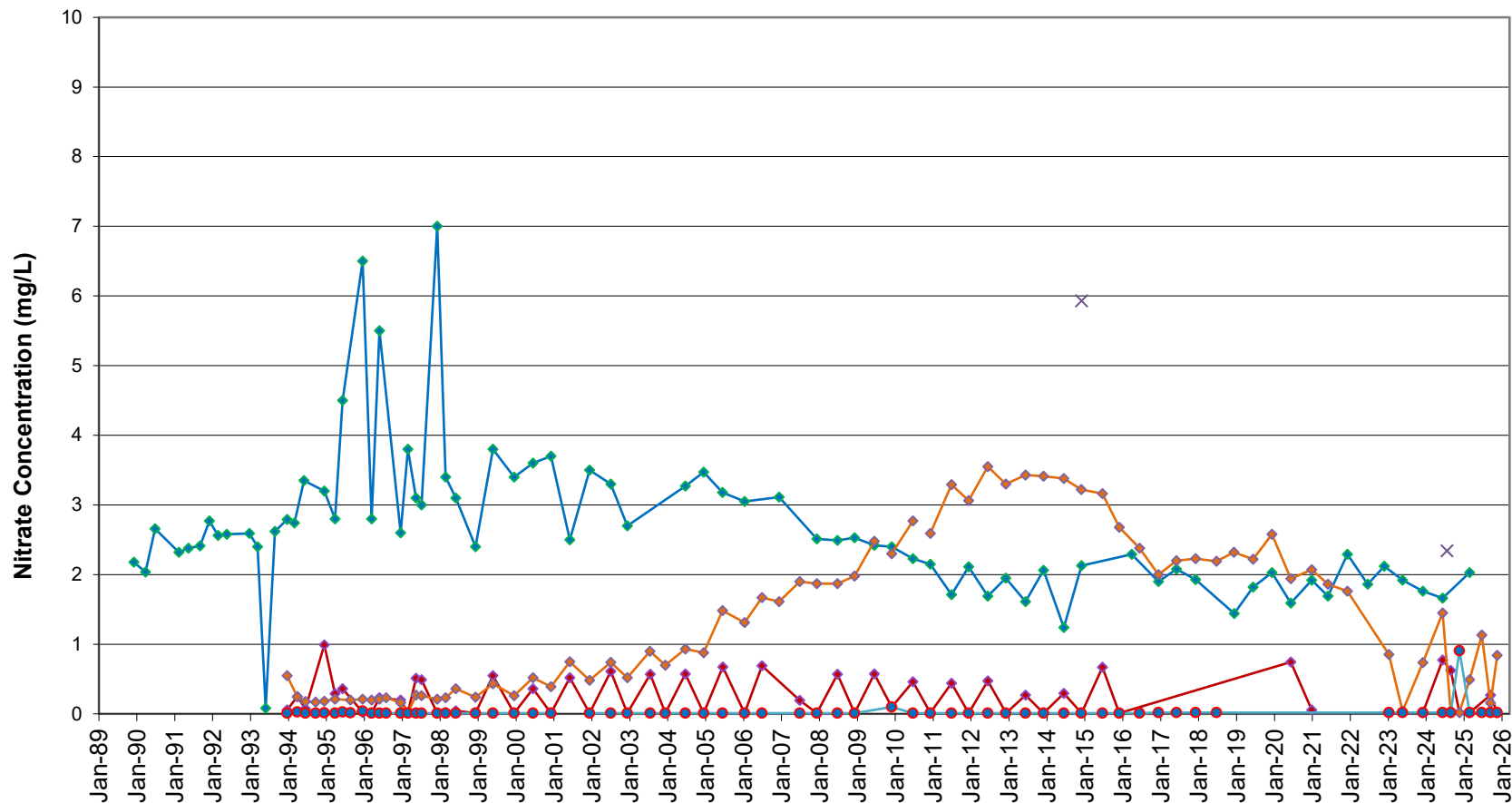


◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ◆ SMW-5D ✕ DNR House ✕ O.L. Luther

Figure 4b. Chloride Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill

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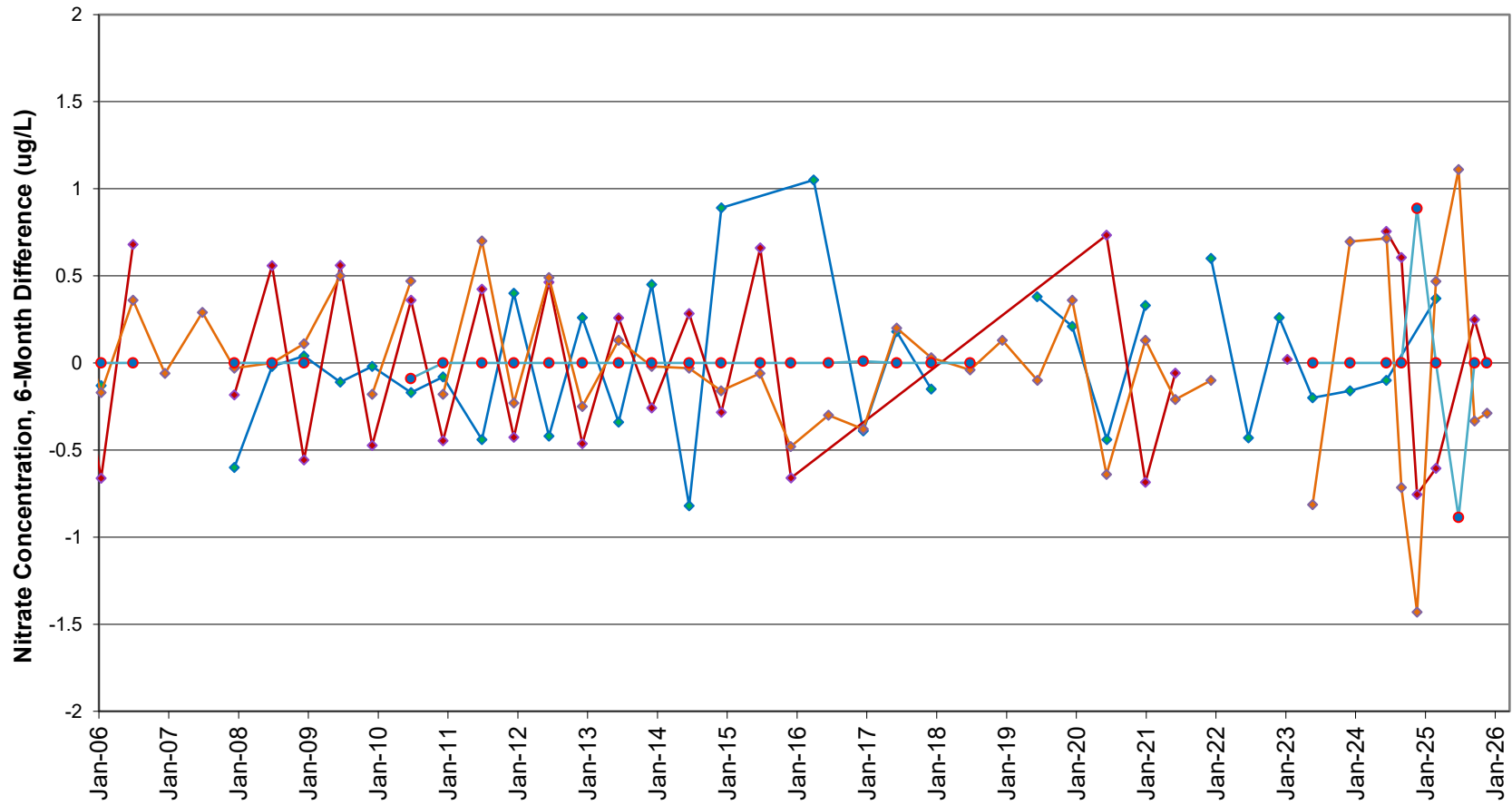
◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ◆ SMW-5D ◆ DNR House ✕ O.L. Luther

Non-detects plotted at reporting limit

Figure 5a. Nitrate Time Series Plot

Closed Snipes Mountain Landfill

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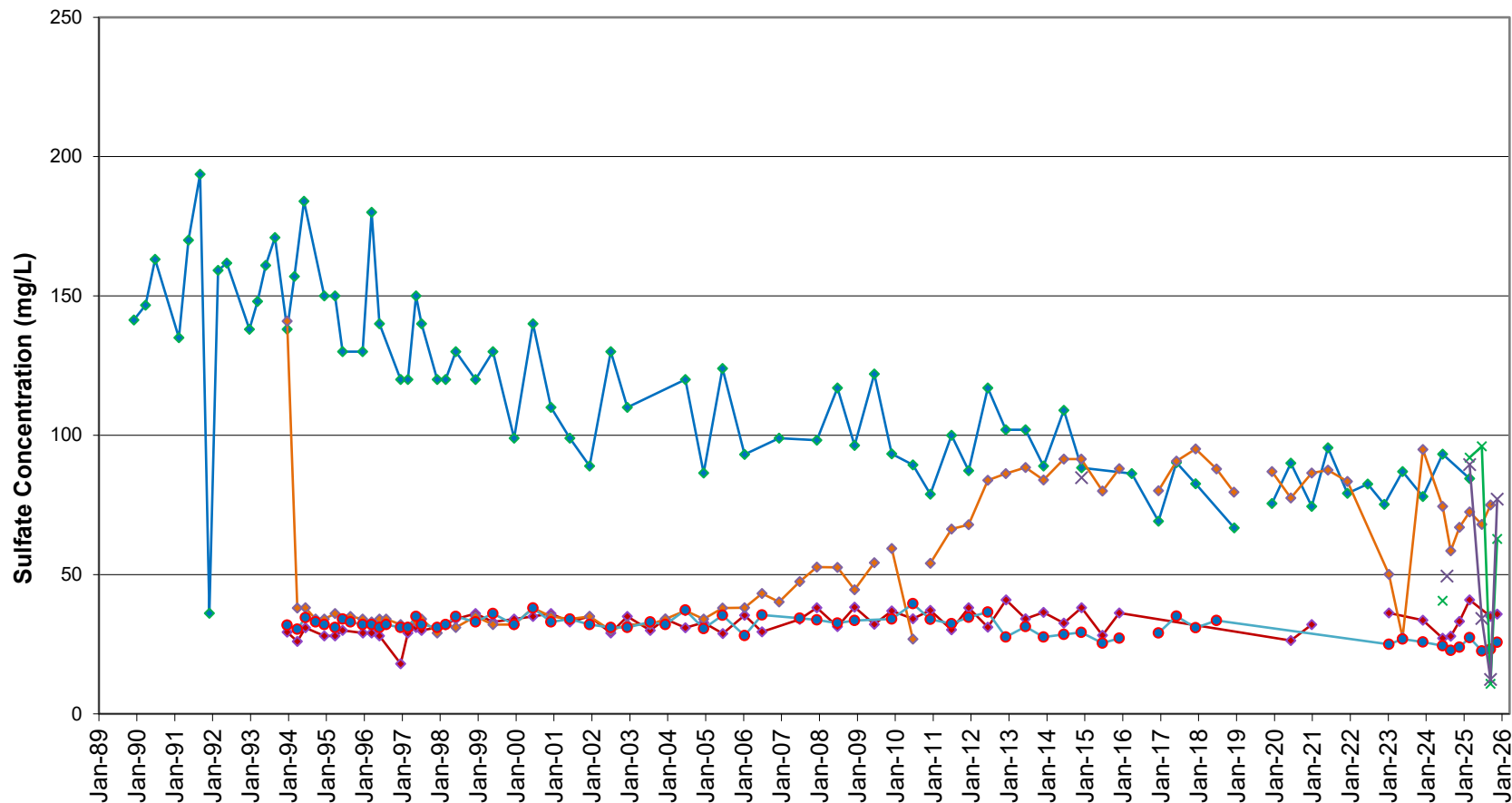


◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ● SMW-5D × DNR House × O.L. Luther

Figure 5b. Nitrate Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill

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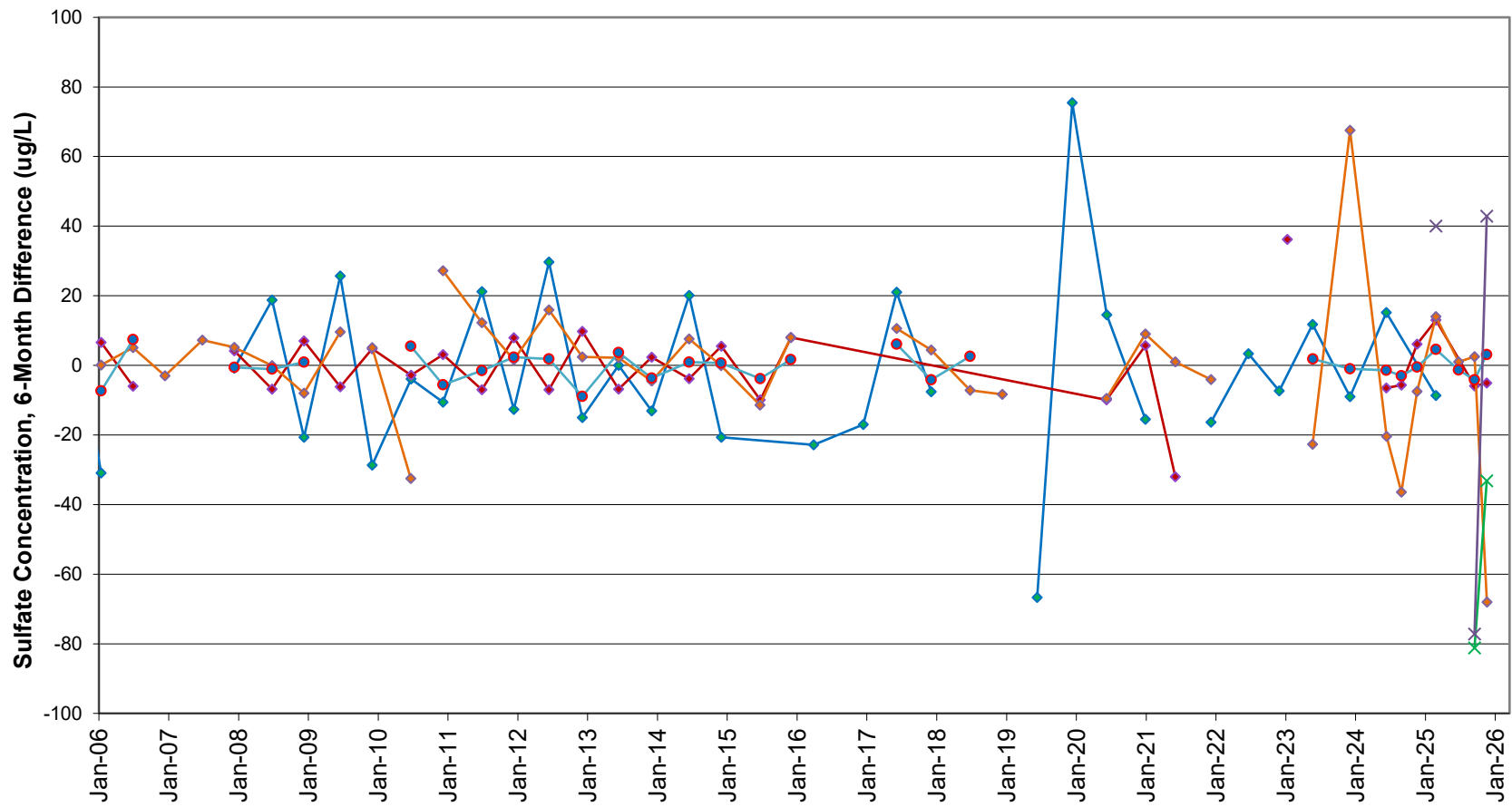
◆ SMW-1 ◆ SMW-4 ◆ SMW-5S
 ● SMW-5D × DNR House × O.L. Luther

Non-detects plotted at reporting limit

Figure 6a. Sulfate Time Series Plot

Closed Snipes Mountain Landfill

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◆ SMW-1 ● SMW-4 ◆ SMW-5S
 ● SMW-5D × DNR House × O.L. Luther

Figure 6b. Sulfate Time Series Plot, 6-Month Difference 2006-2026

Closed Snipes Mountain Landfill

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January 2nd, 2025

O.L. Luther Co., Inc.
710 Luther Road
Granger, WA 98944

Re: Results of November 19, 2025, Sampling of O.L. Luther Well

Dear O.L. Luther Co., Inc.,

This letter describes results from the O.L. Luther well located northwest of the closed Snipes Mountain Landfill in Granger, Washington. The samples from the O.L. Luther well exceeded the Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Tetrachloroethene (PCE) (5 ug/L [micrograms per liter]).

Sampling and Results

The O.L. Luther well sample was collected on November 19, 2025 from a hose bib in piping located near the wellhead. The location was purged for 10 gallons and field parameters (pH, specific conductance, temperature, oxidation reduction potential, and dissolved oxygen) were recorded prior to sampling. Sample bottles were placed into a cooler with ice and delivered to Analytical Resources Inc. in Tukwila, Washington for analysis. The sample was analyzed for volatile organic constituents (VOCs), dissolved metals, chloride, and sulfate.

O.L. Luther Well

The O.L. Luther well was non-detect for all VOCs, except for dichlorodifluoromethane (CFC-12) (0.27 ug/L), PCE (5.43 ug/L), and trichloroethene (TCE) (0.27 ug/L). Results for the November 2025 sampling and an excerpt of the laboratory analytical report are provided in the attached summary.

The O.L. Luther well has been sampled 14 times since 2014 based on its proximity to the Snipes Mountain Landfill (see Background Section below). PCE has been detected during all events, and above the MCL (5 ug/L) in December 2018 (7.27 ug/L), November 2024 (5.02 ug/L), February 2025 (5.94 ug/L), and this sampling event in November 2025 (5.43 ug/L). CFC-12 was previously detected above the lab reporting limit in November 2024 (0.30 ug/L) and September 2025 (0.25Q ug/L) and does not have an applicable MCL. The

“Q” after the numerical result for CFC-12 in September 2025 indicates that the initial or continuing calibrations were below established method requirements. TCE has been regularly historically detected below the MCL (4 ug/L) at the O.L. Luther well. No other VOCs have been regularly detected historically at the O.L. Luther well¹.

Background

Yakima County Public Services monitors groundwater with a dedicated network of monitoring wells at the closed Snipes Mountain Landfill. VOCs are routinely detected in groundwater at the north side of the facility near the entrance gate. Some of the concentrations in these wells exceed state cleanup levels for groundwater, with the most frequent exceedances for the chemical PCE. Yakima County Public Services is coordinating with the Yakima Health District and Washington Department of Ecology regarding the contamination. A Remedial Investigation (RI) Work Plan has been approved by Washington Department of Ecology and will include additional sampling during 2025 and into 2026 to determine the nature and extent of contamination. Following the RI, a feasibility study (FS) will be performed to determine the most effective remedial alternative for the site. Yakima County also collects periodic groundwater samples at offsite wells in the surrounding area to augment the dedicated monitoring network at the closed Snipes Mountain Landfill.

Response Actions and Future Sampling

Based on the results, there are no response actions needed at this time. However, based on previous detections of VOCs in the O.L. Luther well, which reportedly supplies the DNR Residence and other buildings on Luther Road, Yakima County continues to supply bottled water for drinking at the DNR Residence. We would appreciate the opportunity to collect drinking water samples at the O.L. Luther facility again in February 2026. We will coordinate sampling approximately one week in advance.

We trust that this letter provides the information you need regarding the November 2025 sampling. Please feel free to contact us if you have any questions, concerns, or comments.

Sincerely,

Strata Geosciences

Travis Klaas, LHG

Principal Hydrogeologist

travis@stratageosciences.com

(206) 329-7587

¹ Three VOCs, 2-Butanone (15B ug/L), Acetone (13.9B ug/L), and Toluene (0.86B ug/L), were detected at low concentrations in April 2019. The “B” after the numerical result indicates those results were impacted by laboratory contamination in a “Blank” or clean sample and are not confirmed detections. Dichlorodifluoromethane (CFC-12) (0.30 ug/L) was detected in November 2024 (0.30 ug/L) and September 2025 (0.25Q ug/L). Cis-1,2-dichloroethene (cis-1,2-DCE) was estimated above the laboratory detection limit and below the reporting limit (0.14J ug/L) in February 2025. Acetone (6.48 ug/L) was detected in June 2025.

Attachments:

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds
Excerpt of ARI Laboratory Data Report 25K0439 December 19, 2025

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds

Closed Snipes Mountain Landfill, Yakima County, Washington

Constituent	Units	MCL	O.L. Luther Well
			11/19/2025
1,1,1,2-Tetrachloroethane	ug/L		0.2U
1,1,1-Trichloroethane (TCA)	ug/L	200	0.2U
1,1,2,2-Tetrachloroethane	ug/L		0.2U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l		0.2U
1,1,2-Trichloroethane	ug/L	5	0.2U
1,1-Dichloroethane	ug/L	1	0.2U
1,1-Dichloroethene	ug/L	7	0.2U
1,1-Dichloropropene	ug/L		0.2U
1,2,3-Trichlorobenzene	ug/L		0.5U
1,2,3-Trichloropropane	ug/L		0.5U
1,2,4-Trichlorobenzene	ug/L	70	0.5U
1,2,4-Trimethylbenzene	ug/L		0.2U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L		0.5U
1,2-Dibromoethane (EDB)	ug/L		0.2U
1,2-Dichlorobenzene	ug/L		0.2U
1,2-Dichloroethane (EDC)	ug/L	5	0.2U
1,2-Dichloropropane	ug/L	5	0.2U
1,3,5-Trimethylbenzene	ug/L		0.2U
1,3-Dichlorobenzene	ug/L		0.2U
1,3-Dichloropropane	ug/L		0.2U
1,4-Dichlorobenzene	ug/L	75	0.2U
2,2-Dichloropropane	ug/L		0.2U
2-Butanone (MEK)	ug/L		5U
2-Chloroethyl Vinyl Ether	ug/L		1U
2-Chlorotoluene	ug/L		0.2U
2-Hexanone	ug/L		5U
2-Pentanone	ug/L		5U
4-Chlorotoluene	ug/L		0.2U
4-Isopropyltoluene	ug/L		0.2U
4-Methyl-2-Pentanone (MIBK)	ug/L		5U
Acetone	ug/L		5U
Acrolein	ug/L		5U
Acrylonitrile	ug/L		1U
Benzene	ug/L	5	0.2U
Bromobenzene	ug/L		0.2U
Bromochloromethane	ug/L		0.2U
Bromodichloromethane	ug/L	80	0.2U
Bromoform	ug/L	80	0.2U
Bromomethane	ug/L		1U
Carbon Disulfide	ug/L		0.2U
Carbon Tetrachloride	ug/L	5	0.2U
Chlorobenzene	ug/L	100	0.2U
Chloroethane	ug/L		0.2U
Chloroform	ug/L	80	0.2U
Chloromethane	ug/L		0.5U
cis-1,2-Dichloroethene (cis-1,2-DCE)	ug/L	70	0.2U

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds

Closed Snipes Mountain Landfill, Yakima County, Washington

Constituent	Units	MCL	O.L. Luther Well
			11/19/2025
cis-1,3-Dichloropropene	ug/L		0.2U
Dibromochloromethane	ug/L		0.2U
Dibromomethane	ug/L		0.2U
Dichlorodifluoromethane (CFC 12)	ug/L		0.27
Dichloromethane (Methylene Chloride)	ug/L	5	1U
Ethylbenzene	ug/L	700	0.2U
Hexachlorobutadiene	ug/L		0.5U
Iodomethane	ug/L		1U
Isopropylbenzene (Cumene)	ug/L		0.2U
m,p-Xylene	ug/L		0.4U
Methyl tert-Butyl Ether	ug/L		0.5U
Naphthalene	ug/L		0.5U
n-Butylbenzene	ug/L		0.2U
n-Propylbenzene	ug/L		0.2U
o-Xylene	ug/L		0.2U
sec-Butylbenzene	ug/L		0.2U
Styrene	ug/L	100	0.2U
tert-Butylbenzene	ug/L		0.2U
Tetrachloroethene (PCE)	ug/L	5	5.43
Toluene	ug/L	1000	0.2U
Total Xylenes	ug/L	10000	0.6U
trans-1,2-Dichloroethene	ug/L	100	0.2U
trans-1,3-Dichloropropene	ug/L		0.2U
trans-1,4-Dichloro-2-butene	ug/L		1U
Trichloroethene (TCE)	ug/L	5	0.27
Trichlorofluoromethane (CFC 11)	ug/L		0.2U
Vinyl Acetate	ug/L		0.2U
Vinyl Chloride	ug/L	2	0.02U

Notes:

MCL: Groundwater Maximum Contaminant Level as referenced in WAC 346-290 and 40 CFR 141 Drinking Water Standards

Bold values indicate detection above the reporting limit

U indicates that the constituent was not detected at the indicated reporting limit

J indicates that the constituent is estimated detected below the reporting limit value

Q indicates that the initial or continuing calibrations were below established method requirements



Mott MacDonald
1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D

Sampled: 11/19/2025 16:00

Instrument: ICP3 Analyst: SH

Analyzed: 12/09/2025 06:22

Sample Preparation:

Preparation Method: WMN (No Prep)

Extract ID: 25K0439-06 F

Preparation Batch: BNL0124

Sample Size: 25 mL

Prepared: 12/05/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	81.5	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	26.5	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.97	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	26.9	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0126	mg/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B
Instrument: ICPMS1 Analyst: HAL
Sample Preparation: Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
Preparation Batch: BNL0093 Sample Size: 25 mL
Prepared: 12/04/2025 Final Volume: 25 mL

Sampled: 11/19/2025 16:00

Analyzed: 12/05/2025 23:41

Extract ID: 25K0439-06 F 02

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	3.08	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	28.7	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.67	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	ND	ug/L	U
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	0.324	ug/L	J
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	2.04	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	20.7	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 16:00
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:31
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-06 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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1601 5th Avenue Suite 800
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 16:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06 I

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	203	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	203	mg/L CaCO ₃	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 16:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06

Preparation Batch: BNK0401

Sample Size: 960 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 16:00

Analyzed: 11/28/2025 17:34

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-06RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.27	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	5.43	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 16:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 17:34

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.27	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	98.5	%	
Surrogate: Toluene-d8				80-120 %	97.1	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	102	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	101	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B		Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL		Analyzed: 12/12/2025 00:57
Sample Preparation:	Preparation Method: REN - EPA 3010A M	Extract ID: 25K0439-06RE1 F 03
	Preparation Batch: BNL0193	Sample Size: 25 mL
	Prepared: 12/09/2025	Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 16:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:58

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE1 H

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	77.1	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 22:27
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE2 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 16:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 12/08/2025 19:13

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE2

Preparation Batch: BNL0174

Sample Size: 10 mL

Prepared: 12/08/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	10	10.0	10.0	32.7	mg/L	D



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 20:34
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE3 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



Mott MacDonald
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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Notes and Definitions

*	Flagged value is not within established control limits.
B	This analyte was detected in the method blank.
D	The reported value is from a dilution
D1	Surrogate was not detected due to sample extract dilution
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
F	Samples were frozen prior to analysis to extend hold time.
H	Hold time violation - Hold time was exceeded.
HC	The natural concentration of the spiked analyte is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
J	Estimated concentration value detected below the reporting limit.
L	Analyte concentration is ≤ 5 times the reporting limit and the replicate control limit defaults to $\pm$ RL instead of 20% RPD
NRS	This surrogate not reported due to chromatographic interference
P1	The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria ($<20\%$ RSD, $<20\%$ drift or minimum RRF)
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.
!	Indicates that ARL is NOT ACCREDITED for this parameter in samples logged as 'Drinking Water'
#	Indicates that ARL is NOT ACCREDITED for this parameter in this analysis and matrix.

Strata Geosciences

January 2nd, 2025

Barb Evans
Sage Orchards
Outlook, WA

Re: Results of November 19, 2025, O.L. Luther well and Department of Natural Resources (DNR) Residence spigot drinking water sampling

Dear Barb Evans,

This letter describes results from the O.L. Luther well located northwest of the closed Snipes Mountain Landfill in Granger, Washington, and the DNR Residence drinking water spigot (reported to be served by the O.L. Luther well) located on Luther Road in Outlook, Washington. The samples from the O.L. Luther well and the DNR Residence drinking water spigot exceeded the Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Tetrachloroethene (PCE) (5 ug/L [micrograms per liter]).

Sampling and Results

The O.L. Luther well sample was collected on November 19, 2025 from a hose bib in piping located near the wellhead. The DNR Residence was sampled on November 19, 2025 from a blue spigot nearest to the residence. Both locations were purged for 10 gallons and field parameters (pH, specific conductance, temperature, oxidation reduction potential, and dissolved oxygen) were recorded prior to sampling. Sample bottles were placed into a cooler with ice and delivered to Analytical Resources Inc. in Tukwila, Washington for analysis. The sample was analyzed for volatile organic constituents (VOCs), dissolved metals, chloride, and sulfate.

O.L. Luther Well

The O.L. Luther well was non-detect for all VOCs, except for dichlorodifluoromethane (CFC-12) (0.27 ug/L), PCE (5.43 ug/L), and trichloroethene (TCE) (0.27 ug/L). Results for the November 2025 sampling and an excerpt of the laboratory analytical report are provided in the attached summary.

The O.L. Luther well has been sampled 14 times since 2014 based on its proximity to the Snipes Mountain Landfill (see Background Section below). PCE has been detected during

all events, and above the MCL (5 ug/L) in December 2018 (7.27 ug/L), November 2024 (5.02 ug/L), February 2025 (5.94 ug/L), and this sampling event in November 2025 (5.43 ug/L). CFC-12 was previously detected above the lab reporting limit in November 2024 (0.30 ug/L) and September 2025 (0.25Q ug/L) and does not have an applicable MCL. The “Q” after the numerical result for CFC-12 in September 2025 indicates that the initial or continuing calibrations were below established method requirements. TCE has been regularly historically detected below the MCL (4 ug/L) at the O.L. Luther well. No other VOCs have been regularly detected historically at the O.L. Luther well¹.

DNR Residence Drinking Water (O.L. Luther Well)

The DNR Residence drinking water spigot sample collected was non-detect for all VOCs, except for CFC-12 (0.23 ug/L), PCE (5.20 ug/L), and TCE (0.28 ug/L). Results for the November 2025 sampling are provided in the attached summary and excerpt of the laboratory analytical report.

The DNR Residence drinking water spigot was first sampled in June 2012 and was non-detect for VOCs, and has been sampled seven additional times since June 2024 due to the ongoing Remedial Investigation at Snipes Landfill (see Background Section below). PCE has been detected during all events since June 2024 and was detected above the MCL (5 ug/L) in February 2025 (5.77 ug/L), June 2025 (6.01 ug/L), and this sampling event in November 2025 (5.20 ug/L). TCE has been regularly historically detected below the MCL (4 ug/L) at the DNR Residence drinking water spigot. No other VOCs have been regularly detected historically at the DNR Residence drinking water spigot².

Background

Yakima County Public Services monitors groundwater with a dedicated network of monitoring wells at the closed Snipes Mountain Landfill. VOCs are routinely detected in groundwater at the north side of the facility near the entrance gate. Some of the concentrations in these wells exceed state cleanup levels for groundwater, with the most frequent exceedances for the chemical PCE. Yakima County Public Services is coordinating with the Yakima Health District and Washington Department of Ecology regarding the contamination. A Remedial Investigation (RI) Work Plan has been approved by Washington Department of Ecology and will include additional sampling during 2025 and into 2026 to determine the nature and extent of contamination. Following the RI, a feasibility study (FS) will be performed to determine the most effective remedial alternative for the site. Yakima

¹ Three VOCs, 2-Butanone (15B ug/L), Acetone (13.9B ug/L), and Toluene (0.86B ug/L), were detected at low concentrations in April 2019. The “B” after the numerical result indicates those results were impacted by laboratory contamination in a “Blank” or clean sample and are not confirmed detections. Dichlorodifluoromethane (CFC-12) was detected in November 2024 (0.30 ug/L) and September 2025 (0.25Q ug/L). Cis-1,2-dichloroethene (cis-1,2-DCE) was estimated above the laboratory detection limit and below the reporting limit (0.14J ug/L) in February 2025. Acetone (6.48 ug/L) was detected in June 2025.

² Cis-1,2-dichloroethene (cis-1,2-DCE) was estimated above the laboratory detection limit and below the reporting limit in February 2025 (0.11J ug/L) and June 2025 (0.11J ug/L). Dichlorodifluoromethane (CFC-12) was detected in June 2025 (0.39 ug/L) and September 2025 (0.25Q ug/L).

County also collects periodic groundwater samples at offsite wells in the surrounding area to augment the dedicated monitoring network at the closed Snipes Mountain Landfill.

Response Actions and Future Sampling

Based on the results, Yakima County will continue to supply bottled water for drinking at the DNR Residence. We would appreciate the opportunity to collect drinking water samples at the Luther Road property again in February 2026. We will coordinate sampling approximately one week in advance.

We trust that this letter provides the information you need regarding the November 2025 sampling. Please feel free to contact us if you have any questions, concerns, or comments.

Sincerely,
Strata Geosciences
Travis Klaas, LHG
Principal Hydrogeologist
travis@stratageosciences.com
(206) 329-7587

Attachments:

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds
Excerpt of ARI Laboratory Data Report 25K0439 December 19, 2025

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds

Closed Snipes Mountain Landfill, Yakima County, Washington

Constituent	Units	MCL	DNR Residence (source from O.L. Luther well)	O.L. Luther Well
			11/19/2025	11/19/2025
1,1,1,2-Tetrachloroethane	ug/L		0.2U	0.2U
1,1,1-Trichloroethane (TCA)	ug/L	200	0.2U	0.2U
1,1,2,2-Tetrachloroethane	ug/L		0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l		0.2U	0.2U
1,1,2-Trichloroethane	ug/L	5	0.2U	0.2U
1,1-Dichloroethane	ug/L	1	0.2U	0.2U
1,1-Dichloroethene	ug/L	7	0.2U	0.2U
1,1-Dichloropropene	ug/L		0.2U	0.2U
1,2,3-Trichlorobenzene	ug/L		0.5U	0.5U
1,2,3-Trichloropropane	ug/L		0.5U	0.5U
1,2,4-Trichlorobenzene	ug/L	70	0.5U	0.5U
1,2,4-Trimethylbenzene	ug/L		0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L		0.5U	0.5U
1,2-Dibromoethane (EDB)	ug/L		0.2U	0.2U
1,2-Dichlorobenzene	ug/L		0.2U	0.2U
1,2-Dichloroethane (EDC)	ug/L	5	0.2U	0.2U
1,2-Dichloropropane	ug/L	5	0.2U	0.2U
1,3,5-Trimethylbenzene	ug/L		0.2U	0.2U
1,3-Dichlorobenzene	ug/L		0.2U	0.2U
1,3-Dichloropropane	ug/L		0.2U	0.2U
1,4-Dichlorobenzene	ug/L	75	0.2U	0.2U
2,2-Dichloropropane	ug/L		0.2U	0.2U
2-Butanone (MEK)	ug/L		5U	5U
2-Chloroethyl Vinyl Ether	ug/L		1U	1U
2-Chlorotoluene	ug/L		0.2U	0.2U
2-Hexanone	ug/L		5U	5U
2-Pentanone	ug/L		5U	5U
4-Chlorotoluene	ug/L		0.2U	0.2U
4-Isopropyltoluene	ug/L		0.2U	0.2U
4-Methyl-2-Pentanone (MIBK)	ug/L		5U	5U
Acetone	ug/L		5U	5U
Acrolein	ug/L		5U	5U
Acrylonitrile	ug/L		1U	1U
Benzene	ug/L	5	0.2U	0.2U
Bromobenzene	ug/L		0.2U	0.2U
Bromochloromethane	ug/L		0.2U	0.2U
Bromodichloromethane	ug/L	80	0.2U	0.2U
Bromoform	ug/L	80	0.2U	0.2U
Bromomethane	ug/L		1U	1U
Carbon Disulfide	ug/L		0.2U	0.2U
Carbon Tetrachloride	ug/L	5	0.2U	0.2U
Chlorobenzene	ug/L	100	0.2U	0.2U
Chloroethane	ug/L		0.2U	0.2U
Chloroform	ug/L	80	0.2U	0.2U
Chloromethane	ug/L		0.5U	0.5U
cis-1,2-Dichloroethene (cis-1,2-DCE)	ug/L	70	0.2U	0.2U

Table 1. Summary of November 2025 Analytical Results, Volatile Organic Compounds

Closed Snipes Mountain Landfill, Yakima County, Washington

Constituent	Units	MCL	DNR Residence (source from O.L. Luther well)	O.L. Luther Well
			11/19/2025	11/19/2025
cis-1,3-Dichloropropene	ug/L		0.2U	0.2U
Dibromochloromethane	ug/L		0.2U	0.2U
Dibromomethane	ug/L		0.2U	0.2U
Dichlorodifluoromethane (CFC 12)	ug/L		0.23	0.27
Dichloromethane (Methylene Chloride)	ug/L	5	1U	1U
Ethylbenzene	ug/L	700	0.2U	0.2U
Hexachlorobutadiene	ug/L		0.5U	0.5U
Iodomethane	ug/L		1U	1U
Isopropylbenzene (Cumene)	ug/L		0.2U	0.2U
m,p-Xylene	ug/L		0.4U	0.4U
Methyl tert-Butyl Ether	ug/L		0.5U	0.5U
Naphthalene	ug/L		0.5U	0.5U
n-Butylbenzene	ug/L		0.2U	0.2U
n-Propylbenzene	ug/L		0.2U	0.2U
o-Xylene	ug/L		0.2U	0.2U
sec-Butylbenzene	ug/L		0.2U	0.2U
Styrene	ug/L	100	0.2U	0.2U
tert-Butylbenzene	ug/L		0.2U	0.2U
Tetrachloroethene (PCE)	ug/L	5	5.2	5.43
Toluene	ug/L	1000	0.2U	0.2U
Total Xylenes	ug/L	10000	0.6U	0.6U
trans-1,2-Dichloroethene	ug/L	100	0.2U	0.2U
trans-1,3-Dichloropropene	ug/L		0.2U	0.2U
trans-1,4-Dichloro-2-butene	ug/L		1U	1U
Trichloroethene (TCE)	ug/L	5	0.28	0.27
Trichlorofluoromethane (CFC 11)	ug/L		0.2U	0.2U
Vinyl Acetate	ug/L		0.2U	0.2U
Vinyl Chloride	ug/L	2	0.02U	0.02U

Notes:

MCL: Groundwater Maximum Contaminant Level as referenced in WAC 346-290 and 40 CFR 141 Drinking Water Standards

Bold values indicate detection above the reporting limit

U indicates that the constituent was not detected at the indicated reporting limit

J indicates that the constituent is estimated detected below the reporting limit value

Q indicates that the initial or continuing calibrations were below established method requirements



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1601 5th Avenue Suite 800
Seattle WA, 98101

Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 15:30

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 11:38

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-05 B

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	107	%	
Surrogate: Toluene-d8				80-120 %	99.3	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	102	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D
Instrument: ICP3 Analyst: SH

Sampled: 11/19/2025 15:30

Analyzed: 12/09/2025 06:19

Sample Preparation: Preparation Method: WMN (No Prep) Sample Size: 25 mL
Preparation Batch: BNL0124 Final Volume: 25 mL
Prepared: 12/05/2025 Extract ID: 25K0439-05 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	78.0	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	25.7	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.79	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	26.0	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0127	mg/L	



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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/05/2025 23:36
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Sample Size: 25 mL
	Prepared: 12/04/2025
	Final Volume: 25 mL
	Extract ID: 25K0439-05 F 02

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	3.01	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	28.5	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.84	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	0.114	ug/L	J
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	ND	ug/L	U
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	2.20	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	53.6	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 15:30
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:28
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-05 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 15:30

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05 H

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	201	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	201	mg/L CaCO ₃	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 15:30

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05

Preparation Batch: BNK0401

Sample Size: 950 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 15:30

Analyzed: 11/28/2025 17:11

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-05RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.28	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	5.20	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 15:30

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 17:11

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.23	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	96.6	%	
Surrogate: Toluene-d8				80-120 %	97.5	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	99.6	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	102	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B
Instrument: ICPMS1 Analyst: HAL
Sample Preparation: Preparation Method: REN - EPA 3010A M
Preparation Batch: BNL0193
Prepared: 12/09/2025
Sample Size: 25 mL
Final Volume: 25 mL
Extract ID: 25K0439-05RE1 F 03
Sampled: 11/19/2025 15:30
Analyzed: 12/12/2025 00:52

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE1 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 15:30

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:57

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05RE1 I

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	62.8	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 22:23
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-05RE2 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE2 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 15:30

Instrument: LACHAT2 Analyst: CRB

Analyzed: 12/08/2025 19:09

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-05RE2

Preparation Batch: BNL0174

Sample Size: 10 mL

Prepared: 12/08/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	10	10.0	10.0	33.1	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Evans
25K0439-05RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 18:20
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-05RE3 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260D-SIM

Sampled: 11/19/2025 16:00

Instrument: NT16 Analyst: LTN

Analyzed: 11/24/2025 11:58

Sample Preparation:

Preparation Method: EPA 5030C (Purge and Trap)

Extract ID: 25K0439-06 E

Preparation Batch: BNK0416

Sample Size: 10 mL

Prepared: 11/24/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	10.0	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	108	%	
Surrogate: Toluene-d8				80-120 %	99.4	%	
Surrogate: 4-Bromofluorobenzene				75-125 %	103	%	



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6010D

Sampled: 11/19/2025 16:00

Instrument: ICP3 Analyst: SH

Analyzed: 12/09/2025 06:22

Sample Preparation:

Preparation Method: WMN (No Prep)

Extract ID: 25K0439-06 F

Preparation Batch: BNL0124

Sample Size: 25 mL

Prepared: 12/05/2025

Final Volume: 25 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Calcium, Dissolved	7440-70-2	1	0.0300	0.0500	81.5	mg/L	
Cobalt, Dissolved	7440-48-4	1	0.0025	0.0050	ND	mg/L	U
Iron, Dissolved	7439-89-6	1	0.0540	0.100	ND	mg/L	U
Magnesium, Dissolved	7439-95-4	1	0.0250	0.0500	26.5	mg/L	
Manganese, Dissolved	7439-96-5	1	0.0020	0.0040	ND	mg/L	U
Potassium, Dissolved	7440-09-7	1	0.250	0.500	6.97	mg/L	
Sodium, Dissolved	7440-23-5	1	0.250	0.500	26.9	mg/L	
Vanadium, Dissolved	7440-62-2	1	0.0015	0.0030	0.0126	mg/L	



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B

Sampled: 11/19/2025 16:00

Instrument: ICPMS1 Analyst: HAL

Analyzed: 12/05/2025 23:41

Sample Preparation: Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
Preparation Batch: BNL0093 Sample Size: 25 mL
Prepared: 12/04/2025 Final Volume: 25 mL

Extract ID: 25K0439-06 F 02

Analyte	CAS Number	Dilution	Detection	Reporting	Result	Units	Notes
			Limit	Limit			
Arsenic UCT, Dissolved	7440-38-2	1	0.100	0.200	3.08	ug/L	
Barium, Dissolved	7440-39-3	1	0.250	0.500	28.7	ug/L	
Beryllium, Dissolved	7440-41-7	1	0.100	0.200	ND	ug/L	U
Cadmium UCT, Dissolved	7440-43-9	1	0.0500	0.100	ND	ug/L	U
Copper UCT, Dissolved	7440-50-8	1	0.200	0.500	2.67	ug/L	
Lead, Dissolved	7439-92-1	1	0.100	0.200	ND	ug/L	U
Nickel UCT, Dissolved	7440-02-0	1	0.250	0.500	0.324	ug/L	J
Selenium UCT, Dissolved	7782-49-2	1	0.500	1.00	2.04	ug/L	
Silver, Dissolved	7440-22-4	1	0.100	0.200	ND	ug/L	U
Zinc UCT, Dissolved	7440-66-6	1	3.00	6.00	20.7	ug/L	



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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 7470A	Sampled: 11/19/2025 16:00
Instrument: HYDRA Analyst: ML	Analyzed: 12/05/2025 15:31
Sample Preparation:	Preparation Method: TWM EPA 7470A
	Preparation Batch: BNL0120
	Prepared: 12/05/2025
	Sample Size: 20 mL
	Final Volume: 20 mL
	Extract ID: 25K0439-06 F

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Mercury, Dissolved	7439-97-6	1	0.000013	0.000100	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2320 B-11

Sampled: 11/19/2025 16:00

Instrument: Accumet AB150 Analyst: LERB

Analyzed: 11/29/2025 10:38

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06 I

Preparation Batch: BNK0469

Sample Size: 100 mL

Prepared: 11/25/2025

Final Volume: 100 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Bicarbonate		1	1.00	1.00	203	mg/L CaCO ₃	

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Carbonate		1	1.00	1.00	ND	mg/L CaCO ₃	U

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Alkalinity, Total		1	1.00	1.00	203	mg/L CaCO ₃	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06 (Water)

Wet Chemistry

Method: SM 2540 D-11

Sampled: 11/19/2025 16:00

Instrument: BAL2 Analyst: RAL

Analyzed: 11/21/2025 13:01

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06

Preparation Batch: BNK0401

Sample Size: 960 mL

Prepared: 11/21/2025

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Suspended Solids		1	1	1	ND	mg/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D
Instrument: NT3 Analyst: LNH

Sampled: 11/19/2025 16:00

Analyzed: 11/28/2025 17:34

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)
Preparation Batch: BNK0497 Sample Size: 10 mL
Prepared: 11/28/2025 Final Volume: 10 mL

Extract ID: 25K0439-06RE1 D

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloromethane	74-87-3	1	0.50	0.50	ND	ug/L	U
Vinyl Chloride	75-01-4	1	0.10	0.20	ND	ug/L	U
Bromomethane	74-83-9	1	1.00	1.00	ND	ug/L	U
Chloroethane	75-00-3	1	0.20	0.20	ND	ug/L	U
Trichlorofluoromethane	75-69-4	1	0.20	0.20	ND	ug/L	U
Acrolein	107-02-8	1	5.00	5.00	ND	ug/L	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	1	0.20	0.20	ND	ug/L	U
Acetone	67-64-1	1	5.00	5.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.10	0.20	ND	ug/L	U
Iodomethane	74-88-4	1	0.50	1.00	ND	ug/L	U
Methylene Chloride	75-09-2	1	1.00	1.00	ND	ug/L	U
Acrylonitrile	107-13-1	1	0.50	1.00	ND	ug/L	U
Carbon Disulfide	75-15-0	1	0.20	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.10	0.20	ND	ug/L	U
Vinyl Acetate	108-05-4	1	0.20	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.10	0.20	ND	ug/L	U
2-Butanone	78-93-3	1	2.50	5.00	ND	ug/L	U
2,2-Dichloropropane	594-20-7	1	0.20	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.10	0.20	ND	ug/L	U
Chloroform	67-66-3	1	0.10	0.20	ND	ug/L	U
Bromochloromethane	74-97-5	1	0.10	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.10	0.20	ND	ug/L	U
1,1-Dichloropropene	563-58-6	1	0.10	0.20	ND	ug/L	U
Carbon tetrachloride	56-23-5	1	0.10	0.20	ND	ug/L	U
1,2-Dichloroethane	107-06-2	1	0.10	0.20	ND	ug/L	U
Benzene	71-43-2	1	0.10	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.10	0.20	0.27	ug/L	
1,2-Dichloropropane	78-87-5	1	0.10	0.20	ND	ug/L	U
Bromodichloromethane	75-27-4	1	0.10	0.20	ND	ug/L	U
Dibromomethane	74-95-3	1	0.10	0.20	ND	ug/L	U
2-Chloroethyl vinyl ether	110-75-8	1	1.00	1.00	ND	ug/L	U
4-Methyl-2-Pentanone	108-10-1	1	2.50	5.00	ND	ug/L	U
cis-1,3-Dichloropropene	10061-01-5	1	0.10	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.10	0.20	ND	ug/L	U
trans-1,3-Dichloropropene	10061-02-6	1	0.10	0.20	ND	ug/L	U
2-Hexanone	591-78-6	1	2.50	5.00	ND	ug/L	U
1,1,2-Trichloroethane	79-00-5	1	0.20	0.20	ND	ug/L	U
1,3-Dichloropropane	142-28-9	1	0.10	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.10	0.20	5.43	ug/L	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260D

Sampled: 11/19/2025 16:00

Instrument: NT3 Analyst: LNH

Analyzed: 11/28/2025 17:34

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Dibromochloromethane	124-48-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromoethane	106-93-4	1	0.10	0.20	ND	ug/L	U
Chlorobenzene	108-90-7	1	0.10	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.10	0.20	ND	ug/L	U
1,1,1,2-Tetrachloroethane	630-20-6	1	0.10	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.20	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.10	0.20	ND	ug/L	U
Xylenes, total	1330-20-7	1	0.30	0.60	ND	ug/L	U
Styrene	100-42-5	1	0.10	0.20	ND	ug/L	U
Bromoform	75-25-2	1	0.20	0.20	ND	ug/L	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.20	0.20	ND	ug/L	U
1,2,3-Trichloropropane	96-18-4	1	0.25	0.50	ND	ug/L	U
trans-1,4-Dichloro 2-Butene	110-57-6	1	1.00	1.00	ND	ug/L	U
n-Propylbenzene	103-65-1	1	0.10	0.20	ND	ug/L	U
Bromobenzene	108-86-1	1	0.10	0.20	ND	ug/L	U
Isopropyl Benzene	98-82-8	1	0.10	0.20	ND	ug/L	U
2-Chlorotoluene	95-49-8	1	0.10	0.20	ND	ug/L	U
4-Chlorotoluene	106-43-4	1	0.10	0.20	ND	ug/L	U
t-Butylbenzene	98-06-6	1	0.10	0.20	ND	ug/L	U
1,3,5-Trimethylbenzene	108-67-8	1	0.10	0.20	ND	ug/L	U
1,2,4-Trimethylbenzene	95-63-6	1	0.10	0.20	ND	ug/L	U
s-Butylbenzene	135-98-8	1	0.10	0.20	ND	ug/L	U
4-Isopropyl Toluene	99-87-6	1	0.10	0.20	ND	ug/L	U
1,3-Dichlorobenzene	541-73-1	1	0.10	0.20	ND	ug/L	U
1,4-Dichlorobenzene	106-46-7	1	0.20	0.20	ND	ug/L	U
n-Butylbenzene	104-51-8	1	0.20	0.20	ND	ug/L	U
1,2-Dichlorobenzene	95-50-1	1	0.10	0.20	ND	ug/L	U
1,2-Dibromo-3-chloropropane	96-12-8	1	0.50	0.50	ND	ug/L	U
1,2,4-Trichlorobenzene	120-82-1	1	0.25	0.50	ND	ug/L	U
Hexachloro-1,3-Butadiene	87-68-3	1	0.50	0.50	ND	ug/L	U
Naphthalene	91-20-3	1	0.50	0.50	ND	ug/L	U
1,2,3-Trichlorobenzene	87-61-6	1	0.50	0.50	ND	ug/L	U
Dichlorodifluoromethane	75-71-8	1	0.20	0.20	0.27	ug/L	
Methyl tert-butyl Ether	1634-04-4	1	0.25	0.50	ND	ug/L	U
2-Pentanone	107-87-9	1	2.50	5.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4				80-129 %	98.5	%	
Surrogate: Toluene-d8				80-120 %	97.1	%	
Surrogate: 4-Bromofluorobenzene				80-120 %	102	%	
Surrogate: 1,2-Dichlorobenzene-d4				80-120 %	101	%	



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B
Instrument: ICPMS1 Analyst: HAL

Sampled: 11/19/2025 16:00

Analyzed: 12/12/2025 00:57

Sample Preparation: Preparation Method: REN - EPA 3010A M
Preparation Batch: BNL0193
Prepared: 12/09/2025

Sample Size: 25 mL

Final Volume: 25 mL

Extract ID: 25K0439-06RE1 F 03

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Antimony, Dissolved	7440-36-0	1	0.150	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE1 (Water)

Wet Chemistry

Method: EPA 375.2

Sampled: 11/19/2025 16:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/05/2025 17:58

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE1 H

Preparation Batch: BNK0475

Sample Size: 10 mL

Prepared: 11/25/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Sulfate	14808-79-8	10	20.0	20.0	77.1	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/08/2025 22:27
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE2 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Thallium, Dissolved	7440-28-0	1	0.100	0.200	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE2 (Water)

Wet Chemistry

Method: SM 4500-CL⁻ G-11

Sampled: 11/19/2025 16:00

Instrument: LACHAT2 Analyst: CRB

Analyzed: 12/08/2025 19:13

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-06RE2

Preparation Batch: BNL0174

Sample Size: 10 mL

Prepared: 12/08/2025

Final Volume: 10 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chloride	16887-00-6	10	10.0	10.0	32.7	mg/L	D



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

O. L. Luther
25K0439-06RE3 (Water)

Metals and Metallic Compounds (dissolved)

Method: EPA 6020B	Sampled: 11/19/2025 16:00
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/09/2025 20:34
Sample Preparation:	Preparation Method: REN EPA 600/4-79-020 4.1.4 HNO3 matrix
	Preparation Batch: BNL0093
	Prepared: 12/04/2025
	Sample Size: 25 mL
	Final Volume: 25 mL
	Extract ID: 25K0439-06RE3 F 02

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Chromium, Dissolved	7440-47-3	10	3.75	5.00	ND	ug/L	U



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Project: Snipes MTN Landfill 2025
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

Notes and Definitions

*	Flagged value is not within established control limits.
B	This analyte was detected in the method blank.
D	The reported value is from a dilution
D1	Surrogate was not detected due to sample extract dilution
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
F	Samples were frozen prior to analysis to extend hold time.
H	Hold time violation - Hold time was exceeded.
HC	The natural concentration of the spiked analyte is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
J	Estimated concentration value detected below the reporting limit.
L	Analyte concentration is ≤ 5 times the reporting limit and the replicate control limit defaults to $\pm$ RL instead of 20% RPD
NRS	This surrogate not reported due to chromatographic interference
P1	The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria ($<20\%$ RSD, $<20\%$ drift or minimum RRF)
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.
!	Indicates that ARL is NOT ACCREDITED for this parameter in samples logged as 'Drinking Water'
#	Indicates that ARL is NOT ACCREDITED for this parameter in this analysis and matrix.