

**CLOSED SNIPES MOUNTAIN LANDFILL
2025 Q4 GROUNDWATER
MONITORING REPORT**

February 2026

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**CLOSED SNIPES MOUNTAIN LANDFILL
2025 Q4 GROUNDWATER
MONITORING REPORT**

Prepared for:

**Yakima County
Public Services
Solid Waste Division
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Yakima, WA 98901**

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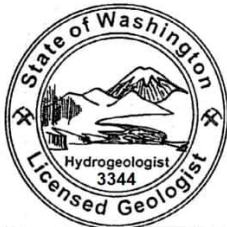
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SIGNATURE

This report, and Strata Geosciences' work contributing to this report, were reviewed by the undersigned and approved for release.



TRAVIS W KLAAS

Travis Klaas

Principal Hydrogeologist

Washington State Hydrogeologist No. 3344

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1.0 SUMMARY

This letter reports chemistry and water level data for groundwater samples that were collected at the closed Snipes Mountain Landfill (Snipes) on November 19 and 20, 2025 (sampling event 2025 Q4). Groundwater sampling was performed as required under Washington Administrative Code (WAC) 173-304, Minimum Functional standards for solid waste handling.

Groundwater monitoring at Snipes was conducted on a quarterly basis until August 1998. At that time, the Department of Ecology and the Yakima Health District granted a variance allowing the frequency of monitoring to be reduced to twice a year (Ecology, 1998 and Yakima Health, 1998). This site is currently being investigated to satisfy the requirements of Agreed Order No. DE 22514 (AO) between Yakima County and Ecology. To support the Remedial Investigation work, groundwater monitoring at onsite wells SMW-1, SMW-4, SMW-5s and SMW-5d is temporarily being conducted quarterly. Well SMW-2 continues to be monitored during Q2 and Q4. The following is a summary of the 2025 Q4 groundwater sampling results:

- Water levels at SMW-1 were too low to collect a groundwater sample.
- Naphthalene was detected in SMW-4 (0.091B ug/L) and SMW-5d (0.034B ug/L) below the MTCA Method B screening level of 160 ug/L. This “B” qualifier indicates that the analyte was detected in the method blank. These are the first detections of naphthalene at Snipes.
- Tetrachloroethene (PCE) was detected above the Groundwater Quality Criteria (GWQC) of 0.8 ug/L at SMW-4 (6.46 ug/L) and SMW-5s (1.02 ug/L).

2.0 GROUNDWATER MONITORING SUMMARY

Groundwater sampling for this event included quarterly sampling at routinely monitored wells SMW-2, SMW-4, SMW-5s, and SMW-5d. The water level at SMW-1 was too low to sample in November 18, 2025. Groundwater samples were analyzed for Minimum Functional Standards (MFS) parameters and volatile organic compounds (VOCs). The MFS parameters include dissolved metals (iron, manganese, and zinc), sulfate, chloride, nitrate-nitrite, ammonia, total organic carbon (TOC), and chemical oxygen demand (COD). Metal samples taken at SMW-5s and SMW-5d this quarter were not filtered prior to preservation, so results are reported for total metals rather than dissolved metals. Groundwater samples were also tested for temperature, specific conductivity, pH, dissolved oxygen, and oxidation reduction potential in the field. 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 and sulfate and field parameters were not able to be collected. All samples were delivered to Analytical Resources, Inc. (ARI) in Tukwila, Washington for analysis on November 21, 2025.

SMW-2 is sampled with a Hydrostar sampling pump and SMW-4 is sampled with a Geotech bladder pump. Due to ongoing pump reliability issues at SMW-5d and SMW-5s, the Grundfos Redi-Flo2 electric submersible sampling pumps were pulled on January 10, 2023 and the wells are sampled with Hydrasleeve snap samplers and single-use tethers.

2.1 GROUNDWATER RESULTS

Concentrations of tested parameters were generally consistent with previous quarters (Table 1). The following constituents were detected above their respective GWQC during the 2025 Q4 sampling event. GWQC values are from Ecology (2005):

- Tetrachloroethene (PCE) was detected above the GWQC (0.8 ug/L) at SMW-4 (6.46 ug/L) and SMW-5s (1.02 ug/L).

2.2 VOC RESULTS

The following section describes concentrations of VOCs compared both WAC 173-200 GWQC maximum contaminant levels and where there is no established maximum contaminant level compared to MTCA Method B cleanup levels. The following volatile organic compound detections were noted in Snipes groundwater monitoring wells:

- PCE was detected at a concentration above the GWQC of (0.8 ug/L) at SMW-4 (6.46 ug/L) and SMW-5s (1.02 ug/L). PCE was detected below the GWQC in SMW-5d (0.26 ug/L).
- Trichloroethene (TCE) was detected at a concentration below the GWQC (3 ug/L) at SMW-4 (0.97 ug/L). TCE was not detected in SMW-2, SMW-5s, or SMW-5d.

The following volatile organic compound detections were noted in Snipes groundwater monitoring wells relative to MTCA Method B cleanup levels. These analytes were below cleanup levels:

- Cis-1,2-Dichloroethene was detected in SMW-4 (0.66 ug/L) below the MTCA Method B cleanup level of 16 ug/L.
- Dichlorodifluoromethane was detected in SMW-4 (0.43 ug/L) below the MTCA Method B cleanup level of 1600 ug/L.
- Naphthalene was detected in SMW-4 (0.091B ug/L) and SMW-5d (0.034B ug/L) below the MTCA Method B cleanup level of 160 ug/L. This “B” qualifier indicates that the analyte was detected in the method blank. These are the first detections of naphthalene at Snipes.

This quarter’s VOC concentrations are generally consistent with previous concentrations. As discussed above, PCE was the only VOC detected above GWQC this quarter.

2.3 QUALITY ASSURANCE/QUALITY CONTROL

Quality assurance/quality control (QA/QC) data were reviewed to assess the validity of the analytical results. Samples for the quarterly event were dropped off at ARI and processed by sample receiving on November 21, 2025.

- Groundwater samples were analyzed using acceptable EPA and standard methods as listed on each page of the analytical results.

- Samples were extracted and analyzed within applicable holding times with the exception of nitrate and nitrite, which have been qualified by the laboratory with an “H” qualifier.
- Surrogate spikes were added to all samples for volatile analyses and the recoveries were all within acceptable ranges.
- Method blanks were run for all analytes and were non-detect at the reporting limits.
- Laboratory control samples (LCS) were run for all analytes. The LCS percent recoveries were within control limits except for flagged analytes, which have “*” qualifiers.
- 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.
- The laboratory reporting limit for acrylonitrile and 1,2-dibromoethane exceeded the GWQC of (0.07 ug/l) and (0.001) respectively, all samples have been flagged in the database with a “Y” qualifier.
- The relative percent differences were in control for all compounds.

According to the limits and guidelines set out in the Contract Laboratory Program (CLP) (USEPA, 2020), the data were considered to be generally acceptable.

3.0 SUMMARY OF GROUNDWATER FLOW RATE AND DIRECTION

SMW-1, SMW-2, SMW-4, and SMW-5d are screened in the Elephant Mountain member of the Columbia River Basalt Group (Tem) aquifer. SMW-3 is screened in the Rattlesnake Ridge Member of the Ellensburg Formation (Ter) below the Tem, and SMW-5s is screened in the Upper Ellensburg Formation (Teu-C) above the Tem. SMW-2 is on the opposite side of the anticline from the refuse and wells SMW-1, SMW-3, SMW-4, SMW-5d, and SMW-5s.

Depth to water was measured in the field at well SMW-1 and SMW-3 on November 18, SMW-4 and SMW-5d on November 19, and SMW-2 and SMW-5s on November 20, 2025 (Table 1). Figure 1 shows the calculated water level elevations, and the groundwater flow direction estimated from the wells SMW-1, SMW-4 and SMW-5d screened in the Tem aquifer. Historically the hydraulic gradient between SMW-1, SMW-4 and SMW-5D reverses from a northeasterly direction during the pumping season to a southwesterly direction in the winter, non-pumping months. The gradient typically steepens during irrigation months at approximately 0.0139 in Q2 compared to 0.0045 in Q4. This quarter the gradient was approximately 0.004 to the southwest which is consistent with the groundwater gradient and flow direction observed in sampling events conducted in non-irrigation months.

Although water levels at SMW-3 are not highly seasonal, they have declined approximately 5 feet from 2000 Q2 levels. Water levels in SMW-3 have been too low for sampling since 2005. In 2007 Yakima County Health District approved reducing sampling at SMW-3 to monitoring water levels with the contingency that if site conditions change significantly, sampling at SMW-3 may be required

(Yakima Health, 2007). Less pronounced declining trends are observed at SMW-1, SMW-4, SMW-5s and SW-5d (Figure 2).

4.0 CLOSING

This work was performed, and this report was prepared in accordance with generally accepted hydrogeologic practices at this time and in this area for the exclusive use of Yakima County and its agents. Use of this report and any information or analyses contained herein for any purpose beyond that of understanding local hydrogeologic and water quality conditions at the site is at the sole risk of the person, persons or organization using the information or analyses. Strata Geosciences is not responsible for, and makes no warranty for, any other use of the information and analyses presented herein. No other warranty, express or implied, is made.

We are pleased to provide you with this report. If you have any questions, please call.

5.0 REFERENCES

- Parametrix, Inc. 1991. Snipes Mountain Landfill Development and Closure Plan. March 1991.
- United States Environmental Protection Agency [EPA]. 2020. Superfund CLP National Functional Guidelines for Data Review. [https:// https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review](https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review). Document #EPA-540-R-20-005.
- Yakima Health District, 1998. Letter to Ron Pepper dated August 20, 1998 Re: Variance Request for Snipes Mountain Landfill Groundwater Monitoring.
- Washington State Department of Ecology [Ecology], 1998. Letter dated August 6, 1998 to Art McEwen Re: Snipes Mountain Landfill Semiannual Groundwater Monitoring Variance Request.
- Washington State Department of Ecology, revised October 2005. Implementation Guidance for the Ground Water Quality Standards. Publication #96-02.

Table 1. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWQC						
Field Parameters							
Depth to Water, Ft.		243.6	219.4	280.74	244.08	183.49	193.28
Dissolved oxygen, mg/L			8.77		8.11		7.63
Oxidation Reduction Potential, mV			-5.8		110.3		87.9
pH, Field, std. units	6.5-8.5		7.49		7.65		8.2
Specific Conductance @ 25C, Field, umhos/cm	700		478		237		315
Temperature, C			16.77		15.29		15.45
Inorganics							
Alkalinity as CaCO ₃ , Total, mg/L CaCO ₃					146	166	109
Alkalinity, Bicarbonate, mg/L CaCO ₃					146	166	109
Ammonia, Total, mg/L as N			0.04U		0.04U	0.04U	0.04U
Carbon, Total Organic, mg/L			6.24		5.6	10.38	7.84
Carbonate, mg/L					1U	1U	1U
Chemical Oxygen Demand (COD), mg/L			25.7		29.1	10U	29.4
Chloride, mg/L	250		7.32		8.27		4.21
Nitrate, mg/L as N	10		0.526		UH	0.842	UH
Nitrate + Nitrite (NO ₂ + NO ₃), mg-N/L	10		0.526		0.018	0.842	0.01U
Nitrite, mg/L as N	1		0.01U		UH	0.01U	UH
Solids, Total Suspended, mg/L					1U	25	7
Sulfate, mg/L	250		98.7D		35.8D		25.7
Metals							
Iron, Dissolved, mg/L	0.3		0.171		0.1U		
Iron, Total, mg/L	0.3					1.47	0.0904J
Manganese, Dissolved, mg/L	0.05		0.0233		0.004U		
Manganese, Total, mg/L	0.05					0.109	0.0037J
Zinc, Dissolved, mg/L	5		0.0079		0.006U		
Zinc, Total, mg/L	5					0.0203	0.00411J
VOC							
1,1,1,2-Tetrachloroethane, ug/L			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			0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloro-1,2,2-trifluoroetha, ug/L			0.2U		0.2U	0.2U	0.2U
1,1,2-Trichloroethane, ug/L			0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethane, ug/L	1		0.2U		0.2U	0.2U	0.2U
1,1-Dichloroethene, ug/L			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			0.5U		0.5U	0.5U	0.5U
1,2,3-Trichloropropane, ug/L			0.5U		0.5U	0.5U	0.5U
1,2,4-Trichlorobenzene, ug/L	70		0.5U		0.4U	0.5U	0.4U
1,2,4-Trimethylbenzene, ug/L			0.2U		0.2U	0.2U	0.2U
1,2-Dibromo-3-chloropropane (DBCP), ug/L			0.5U		0.5U	0.5U	0.5U
1,2-Dibromoethane (EDB), ug/L	0.001		0.2UY		0.2UY	0.2UY	0.2UY

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

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

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M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

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GWQC - Groundwater Quality Criteria as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

Table 1. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWQC						
1,2-Dichlorobenzene, ug/L			0.2U		0.2U	0.2U	0.2U
1,2-Dichloroethane (EDC), ug/L	0.5		0.2U		0.2U	0.2U	0.2U
1,2-Dichloropropane, ug/L	0.6		0.2U		0.2U	0.2U	0.2U
1,3,5-Trimethylbenzene, ug/L			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			0.2U		0.2U	0.2U	0.2U
1,4-Dichlorobenzene, ug/L	4		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			5U		5U	5U	5U
2-Chloroethyl Vinyl Ether, ug/L			1U		1U	1U	1U
2-Chlorotoluene, ug/L			0.2U		0.2U	0.2U	0.2U
2-Hexanone, ug/L			5U		5U	5U	5U
2-Pentanone, ug/L			5U		5U	5U	5U
4-Chlorotoluene, ug/L			0.2U		0.2U	0.2U	0.2U
4-Isopropyltoluene, ug/L			0.2U		0.2U	0.2U	0.2U
4-Methyl-2-Pentanone (MIBK), ug/L			5U		5U	5U	5U
Acetone, ug/L			5U		5U	5U	5U
Acrolein, ug/L			5U		5U	5U	5U
Acrylonitrile, ug/L	0.07		1UY		1UY	1UY	1UY
Benzene, ug/L	1		0.2U		0.2U	0.2U	0.2U
Bromobenzene, ug/L			0.2U		0.2U	0.2U	0.2U
Bromochloromethane, ug/L			0.2U		0.2U	0.2U	0.2U
Bromodichloromethane, ug/L	0.3		0.2U		0.2U	0.2U	0.2U
Bromoform, ug/L	5		0.2U		0.2U	0.2U	0.2U
Bromomethane, ug/L			1U		1U	1U	1U
Carbon Disulfide, ug/L			0.2U		0.2U	0.2U	0.2U
Carbon Tetrachloride, ug/L	0.3		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	7		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			0.2U		0.66	0.2U	0.2U
cis-1,3-Dichloropropene, ug/L			0.2U		0.2U	0.2U	0.2U
Dibromochloromethane, ug/L	0.5		0.2U		0.2U	0.2U	0.2U
Dibromomethane, ug/L			0.2U		0.2U	0.2U	0.2U
Dichlorodifluoromethane (CFC 12), ug/L			0.2U		0.43	0.2U	0.2U
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			0.2U		0.2U	0.2U	0.2U
m,p-Xylene, ug/L			0.4U		0.4U	0.4U	0.4U
Methyl tert-Butyl Ether, ug/L			0.5U		0.5U	0.5U	0.5U
Naphthalene, ug/L			0.5U		0.091B	0.5U	0.034B
n-Butylbenzene, ug/L			0.2U		0.2U	0.2U	0.2U
n-Propylbenzene, ug/L			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.

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

M - Estimated value - low spectral match parameters.

No result indicates analyte not analyzed for.

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Table 1. Groundwater Monitoring Data, Snipes Mountain Landfill

2025 Q4

Sample Name		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5s	SMW-5d
Constituent	GWQC						
o-Xylene, ug/L			0.2U		0.2U	0.2U	0.2U
sec-Butylbenzene, ug/L			0.2U		0.2U	0.2U	0.2U
Styrene, ug/L	100		0.2U		0.2U	0.2U	0.2U
tert-Butylbenzene, ug/L			0.2U		0.2U	0.2U	0.2U
Tetrachloroethene (PCE), ug/L	0.8		0.2U		6.46	1.02	0.26
Toluene, ug/L	1000		0.2U		0.2U	0.2U	0.2U
Total Xylenes, ug/L	10000		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	3		0.2U		0.97	0.2U	0.2U
Trichlorofluoromethane (CFC 11), ug/L			0.2U		0.2U	0.2U	0.2U
Vinyl Acetate, ug/L			0.2U		0.2U	0.2U	0.2U
Vinyl Chloride, ug/L	0.02		0.02U		0.02U	0.02U	0.02U

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

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

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

M - Estimated value - low spectral match parameters.

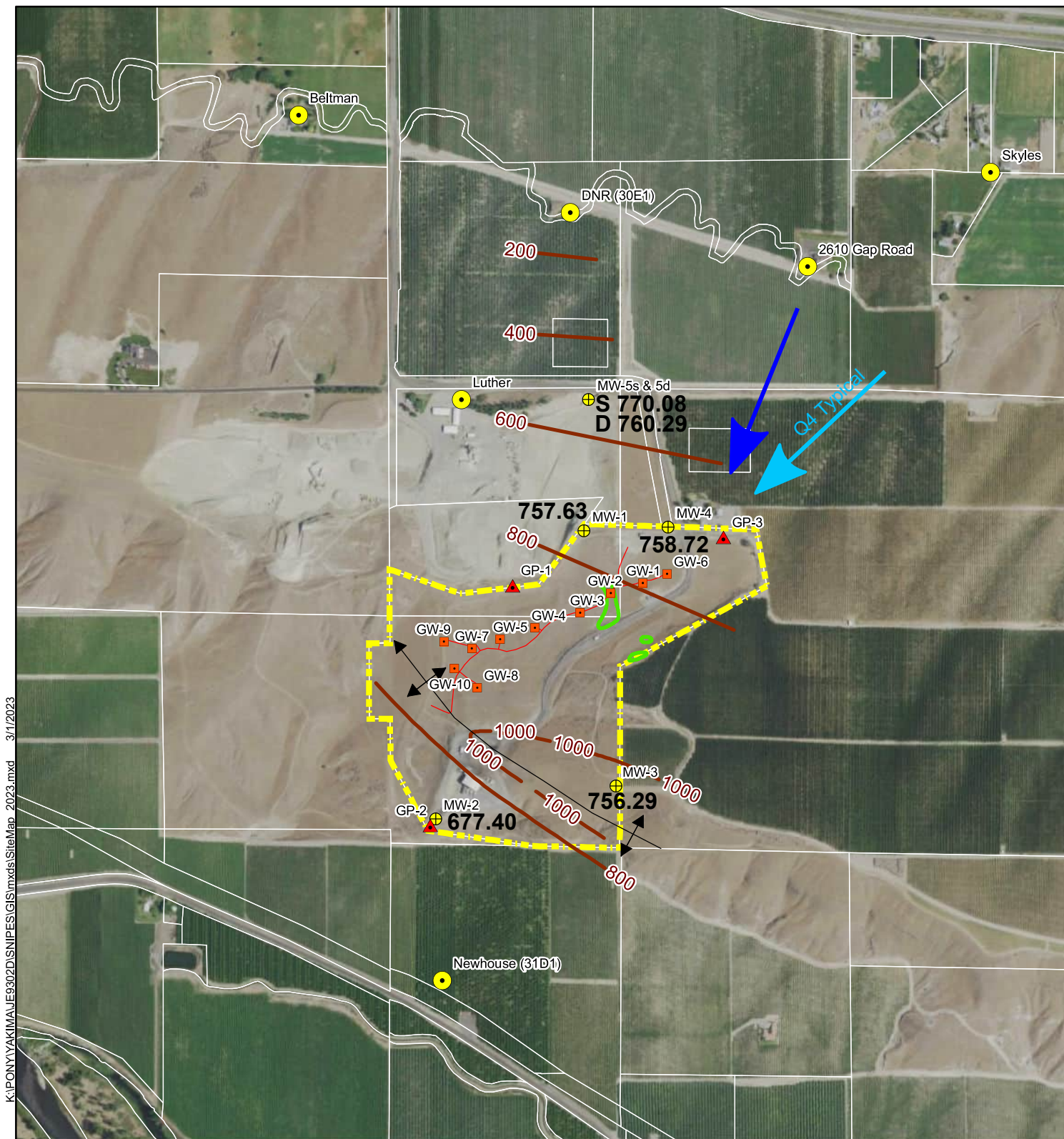
No result indicates analyte not analyzed for.

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

U - Not detected above indicated detection limit.

Y - Not detected at reporting limit.

GWQC - Groundwater Quality Criteria as outlined in WAC 173-200, Appendix A. These values are the most stringent levels derived from WAC 173-200 (10/1990) and WAC 246-290 (7/2004).

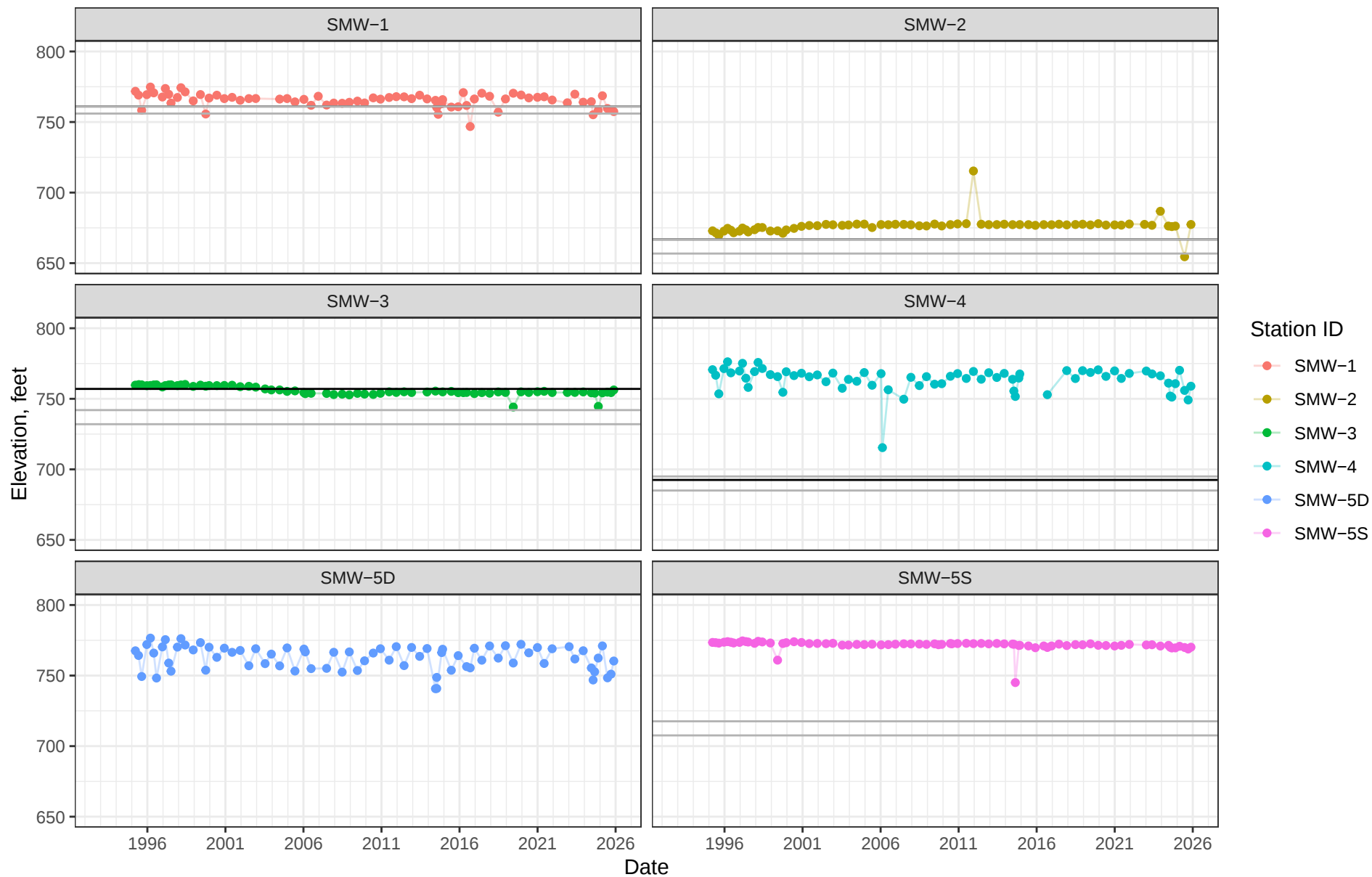


758.53 Groundwater Elevation and Flow Direction

- Monitoring Well
 Gas Well
 Gas Probes & Gas Flair
 Offsite Well
 Elevation contour on top of Tem Geologic Unit; Dashed where removed.
 Gas Extraction Piping
 County Property Boundary
 Former Septage Ponds (Approximate)

Figure 1.
Groundwater Flow and
Structural Contour Map
2025 Q4

Snipes Mountain Landfill,
Yakima County



Unfilled points indicate result is non-detect at the reporting limit
 Black horizontal line is the top of pump elevation if applicable
 Grey horizontal lines are the top and bottom of the screen interval
 Screen interval for SMW-5D is from 494 to 484 and is not shown

Prepared 01/05/2026

Figure 2. Hydrographs, 1993–2025 Q4

Closed Snipes Mountain Landfill
 Yakima County

Strata
 Geosciences

ATTACHMENT A

LABORATORY DATA



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	
					YOL	Sim VOC	Diss. Metals	Total metals	NO3/NO2	Cl, Sulfate	Alkalinity	TSS	1,4 Dioxane	Dioxane/Furans	TPS	TOC/COD/NH3	SIM PAH	Pesticides		SuocS
SMW-4	11/19/25	12:00	W	22	3	2	X		1	1	1	1	2	2	1	1	2	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 NO3/NO2 = 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	1								
O. L. Luther	11/19/25	16:00		9	3	2	X		1	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	T64/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	NA	NA				1			
SMW-5s	11/20/25	10:00		11	3	2		X	1	NA	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> Printed Name: Lexi Thomas Company: Mott MacDonald Date & Time: 11/21/25 9:38	Received by: (Signature) <i>[Signature]</i> Printed Name: Sydney Acero Company: ARLLC Date & Time: 11/21/25 0938	Relinquished by: (Signature) Printed Name: Company: Date & Time:	Received by: (Signature) Printed Name: Company: Date & Time:															

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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
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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

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>N000119</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	<u>L2P</u>	
25K0439-01 V	HDPE NM, 250mL HNO3 (FF)	<u>L</u>	
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	<u>L2P</u>	
25K0439-02 I	HDPE NM, 250mL HNO3 (FF)	<u>L</u>	
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? _____

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? _____ 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? _____ 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: 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
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
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

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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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
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:
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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 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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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)

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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Project Manager: Ashley Parkhurst

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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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

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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Project Manager: Ashley Parkhurst

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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Project Manager: Ashley Parkhurst

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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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
Sample Preparation:	Extract ID: 25K0439-01RE1 E
Preparation Method: EPA 5030C (Purge and Trap)	
Preparation Batch: BNK0497	Sample Size: 10 mL
Prepared: 11/28/2025	Final Volume: 10 mL

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 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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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:
19-Dec-2025 16:00

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
Preparation Batch: BNL0086
Prepared: 12/04/2025

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-01RE1 L 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	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:
19-Dec-2025 16:00

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:
19-Dec-2025 16:00

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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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

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:
19-Dec-2025 16:00

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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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

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

Reported:
19-Dec-2025 16:00

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

Reported:
19-Dec-2025 16:00

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

Extract ID: 25K0439-02 I

Preparation Batch: BNL0120

Sample Size: 20 mL

Prepared: 12/05/2025

Final Volume: 20 mL

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

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

Reported:
19-Dec-2025 16:00

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

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

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
Instrument: LACHAT1 Analyst: CRB

Sampled: 11/20/2025 09:15

Analyzed: 12/03/2025 13:39

Sample Preparation: Preparation Method: No Prep Wet Chem
Preparation Batch: BNL0053
Prepared: 12/02/2025

Sample Size: 10 mL
Final Volume: 10 mL

Extract ID: 25K0439-02 H

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-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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Reported:
19-Dec-2025 16:00

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
	Prepared: 12/04/2025
	Sample Size: 25 mL
	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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Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

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:
19-Dec-2025 16:00

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

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

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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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-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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Project Manager: Ashley Parkhurst

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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Project Manager: Ashley Parkhurst

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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Project: Snipes MTN Landfill 2025
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Project Manager: Ashley Parkhurst

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

Reported:
19-Dec-2025 16:00

SMW-5s
25K0439-03 (Water)

Wet Chemistry

Method: SM 4500-NH3 H-11
Instrument: LCHAT1 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
Prepared: 12/02/2025

Sample Size: 10 mL
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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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
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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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
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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
Instrument: NT17 Analyst: AA

Sampled: 11/19/2025 11:00

Analyzed: 11/28/2025 17:51

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

Sample Size: 500 mL
Final Volume: 1 mL

Extract ID: 25K0439-04 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



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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

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 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 Manager: Ashley Parkhurst

Reported:
19-Dec-2025 16:00

SMW-5d
25K0439-04 (Water)

Chlorinated Pesticides

Method: EPA 8081B
Instrument: ECD9 Analyst: RKT

Sampled: 11/19/2025 11:00

Analyzed: 12/01/2025 12:50

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

Sample Size: 500 mL

Final Volume: 1 mL

Extract ID: 25K0439-04 J 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 %	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
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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:
19-Dec-2025 16:00

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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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)

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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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-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:
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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

Sampled: 11/19/2025 11:00

Instrument: LACHAT1 Analyst: CRB

Analyzed: 12/03/2025 13:51

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 25K0439-04 S

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:
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
Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap)	Extract ID: 25K0439-04RE1 C
Preparation Batch: BNK0497	Sample Size: 10 mL
Prepared: 11/28/2025	Final Volume: 10 mL

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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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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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:
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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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Reported:
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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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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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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 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 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 Limit	Reporting Limit	Result	Units	Notes
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 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	Sampled: 11/19/2025 15:30
Instrument: ICPMS1 Analyst: HAL	Analyzed: 12/12/2025 00:52
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

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:
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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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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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 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
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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 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
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 Limit	Reporting Limit	Result	Units	Notes
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 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 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
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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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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
25K0439-06RE1 (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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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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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 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 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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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
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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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
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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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 (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			



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

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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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					
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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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 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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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					
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			



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

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: 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 (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-BSD1)						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
Project Number: Snipes MTN Landfill 2025
Project Manager: Ashley Parkhurst

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-BSD1)					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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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

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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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					
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
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					
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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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

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	%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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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	%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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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

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
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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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

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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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: 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	%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			



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
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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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					
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 %		



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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
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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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.



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 - 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)						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)						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.



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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 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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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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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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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 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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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

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 Limits	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 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:
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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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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:
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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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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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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: LCHAT1 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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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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Reported:
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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
Oxychlordane	DoD-ELAP,NELAP,WADOE
Oxychlordane [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
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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
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SM 2540 D-11 in Water



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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



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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.

Quality Assurance /Quality Control Review

Project:	Yakima County Landfills, Snipes Landfill	Analytical Lab:	Analytical Resources, LLC (ARI)
Job Number:	25-64MM	Sampling Event:	2025 Q4
Lab Data Set:	25K0439	Sample Type:	Groundwater

The quality assurance/quality control (QA/QC) review examines the handling and analysis of samples and data as specified in the following guidelines:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA 540/R-20/005, USEPA, November 2020)
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA 542-R-20-006, USEPA, November 2020)

The QA/QC Review includes: methods, chain of custody, sample condition, holding times, method detection limits, method reporting limits, surrogate spikes, matrix spike, matrix spike duplicate, laboratory control samples, laboratory control sample duplicates, method blanks, trip blanks, and field duplicates. For this memorandum, Strata Geosciences reviewed the Closed Snipes Mountain Landfill water quality database. For each sampling event, the analytical laboratory was Analytical Resources Incorporated and the methods are listed.

The following section summarizes deviations from the laboratory narratives, reports, and the Strata database. Data were evaluated based on control limits provided by the analytical lab (Analytical Resources, LLC [ARI]) established by their Quality Assurance Plan and State lab accreditation and data quality criteria established for the Final Remedial Investigation Work Plan (Mott MacDonald, 2025).

The overall quality control for the 2025 Q4 Snipes Landfill analytical data set was determined to be acceptable and to meet project objectives.

Methods, Chain of Custody and Sample Condition		
Did the lab identify any issues related to the analytical results?	Yes X	No
Comment: 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.		
Were sample Chain-of-Custody forms complete?	Yes X	No
Comment:		
Were all analyses requested for the samples on the COCs performed?	Yes X	No
Comment:		
Were samples received in good conditions at the appropriate temperature?	Yes X	No
Comment:		

Method and Holding Times																		
Were the reported analytical methods in compliance with the COC and SAP?					Yes X No													
Comment:																		
Were sample holding times met?					Yes No X													
Comment:																		
	SIM VOC	VOC	SVOC	SIM SVOC	1,4-Dioxane	Metals (Dissolved)	Metals	Mercury	TDS, TSS	Chloride	Sulfate	COD	TOC	Nitrate + Nitrite	Alkalinity	Ammonia	Dioxins/Furans	Chlorinated Pesticides
Method:	8260D-SIM	8260D	8270E	8270E-SIM	8270E	EPA 6020B	EPA 6010D	EPA 7470A	SM 2540 C-11, D-11	SM 4500-CL G-11	EPA 375.2	EPA 410.4	EPA 9060A	EPA 353.2	SM 2320 B-11	SM 4500-NH3 H-11	EPA 1613B	8081B
Date Sampled:	November 19-20, 2025																	
Date Extracted:	11/24/2025	11/28/2025	11/21/2025	11/21/2025-12/5/2025	11/24/2025	12/2-9/2025	12/3-5/2025	12/3-5/2025	11/25/2025, 11/21/2025	11/24/2025-12/8/2025	11/25/2025	11/24/2025	12/1/2025	11/21/2025-12/4/2025	11/25/2025	12/2/2025	12/1/2025	11/25/2025-12/4/2025
Date Analyzed:	11/24/2025	11/28/2025	11/28/2025	12/4-8/2025	12/5/2025	12/2-12/2025	12/4-9/2025	12/4-5/2025	11/25/2025, 11/21/2025	11/24/2025-12/8/2025	12/5/2025	11/25/2025	12/3/2025	11/21/2025-12/5/2025	11/29/2025	12/3/2025	12/12-13/2025	12/1-5/2025
Holding Time:	7 days	14 days	7 days	7 days	7 days	180 days	180 days	28 days	7 days	28 days	28 days	28 days	28 days	2 days	14 days	28 days	365 days	7 days
Acceptability:	OK	OK	OK	No	OK	OK	OK	OK	OK	OK	OK	OK	OK	No	OK	OK	OK	No
Comment: The SVOC 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.																		
Comment: 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 analyzed them within the holding time.																		
Comment: The pesticides 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.																		

Detection/Reporting Limits																		
Were the reporting/detection limits in accordance with the QAPP?																		
Comment:		Vinyl Chloride only	Min RL shown	Min RL shown	Min RL shown										Min RL shown			
Comment:																		
	SIM VOC	VOC	SVOC	SIM SVOC	1,4-Dioxane	Metals (Dissolved)	Metals	Mercury	TDS, TSS	Chloride	Sulfate	COD	TOC	Nitrate + Nitrite	Alkalinity	Ammonia	Dioxins/Furans	Chlorinated Pesticides
SAP:	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified
Lab:	0.02 ug/L	0.2 ug/L	0.4 ug/L	0.02 ug/L	0.4 ug/L	0.2 ug/L	0.003 mg/L	0.0001 mg/L	5 mg/L, 1 mg/L	1 mg/L	2 mg/L	10 mg/L	0.5 mg/L	0.01 mg/L	1 mg/L	0.04 mg/L	10 pg/L	0.0013 ug/L
Acceptability	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Comment: The method for chloride and dioxins/furans have been updated from the Final RIWP.																		

Surrogate Spikes																		
Were surrogate recoveries within control limits?																		
	SIM VOC	VOC	SVOC	SIM SVOC	1,4-Dioxane	Metals (Dissolved)	Metals	Mercury	TDS, TSS	Chloride	Sulfate	COD	TOC	Nitrate + Nitrite	Alkalinity	Ammonia	Dioxins/Furans	Chlorinated Pesticides
Acceptability	Yes X	Yes X	No	No	Yes X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No

Batch	Constituent	% Recovery	Min%	Max%	
25K0439-01	Phenol-d5	24.4	30	160	
25K0439-04	Phenol-d5	22.7	30	160	
25K0439-04	Dibenzo[a,h]anthracene-d14	21.8	29	120	
25K0439-04	Decachlorobiphenyl	25.7	30	160	
25K0439-04RE1	Decachlorobiphenyl	21.7	30	160	
BNK0386-BLK1	Phenol-d5	22.8	30	160	
BNK0386-B51	Phenol-d5	26.4	30	160	
BNL0119-BLK1	Fluoranthene-d10	123	57	120	
BNL0119-B51	Fluoranthene-d10	122	57	120	
BNK0449-BLK1	Decachlorobiphenyl	22.5	30	160	
BNK0449-BLK1	Decachlorobiphenyl [2C]	22.0	30	160	
BNK0449-B51	Decachlorobiphenyl	27.0	30	160	
BNK0449-B51	Decachlorobiphenyl [2C]	26.5	30	160	
BNK0449-B52	Decachlorobiphenyl [2C]	29.5	30	160	
BNK0449-B53	Decachlorobiphenyl	22.0	30	160	
BNK0449-B53	Decachlorobiphenyl [2C]	21.5	30	160	
BNL0086-BLK1	Decachlorobiphenyl	27.9	30	160	
BNL0086-B52	Decachlorobiphenyl	6.3	30	160	
Comment:					

Matrix Spike/Matrix Spike Duplicates														
Were matrix spike recoveries within control limits?														
Comment: No matrix spike/matrix spike duplicate was collected during this event.														
Acceptability: NA														

Quality Assurance /Quality Control Review

Project:Yakima County Landfills, Snipes Landfill

Job Number:25-64MM

Lab Data Set:25K0439

Analytical Lab:Analytical Resources, LLC (ARI)

Sampling Event:2025 Q4

Sample Type:Groundwater

Laboratory Control Samples/Laboratory Control Samples Duplicates

Were laboratory control sample recoveries within control limits?

Comment:

Yes X

No

Batch:

Constituent

Spike Level

% Recovery

Min%

Max%

BNK0484-BS1

Acrolein

50

244

52

190

BNK0386-BS1

Phenol

20

27.4

30

160

BNK0386-BS1

Benzoic acid

50

14.8

36

160

BNK0387-BS1

Pyrene

0.3

125

41

120

BNL0119-BS1

Pyrene

0.3

156

41

120

BNL0119-BS1

Benzo(a)anthracene

0.3

129

42

120

BNL0119-BS1

Benzo(k)fluoranthene

0.3

156

50

120

BNL0119-BS1

Benzo(a)fluoranthene, Total

0.9

131

46

120

BNL0119-BS1

Benzo(a)pyrene

0.3

128

35

120

BNL0007-BS1

OCDF

62.6

63

170

Were laboratory control sample duplicates recoveries within control limits?

Comment:

Yes X

No

Batch:

Constituent

Spike Level

% Recovery

Min%

Max%

BNK0484-BSD1

Acrolein

50

256

52

190

BNK0497-BSD1

Isopropyl Benzene

10

130

80

128

BNK0497-BSD1

t-Butylbenzene

10

126

78

125

BNK0497-BSD1

1,2,4-Trimethylbenzene

10

129

80

127

BNK0497-BSD1

1,3-Dichlorobenzene

10

121

80

120

BNK0497-BSD1

1,2,4-Trichlorobenzene

10

125

64

124

Acceptability: OK

Method Blanks

Were method blanks free of target analyte contamination?

Comment:

Yes X

Yes X

Yes X

No

Yes X

Yes X

Yes X

Yes X

No

Yes X

Yes X

Yes X

Yes X

Yes X

Yes X

Yes X

Yes X

Yes X

Yes X

Batch:

Constituent

Detected Result

BNK0387-BLK1

Naphthalene

0.063 ug/L

BNK0387-BLK1

1-Methylnaphthalene

0.013 ug/L

BNK0464-BLK1

Dissolved Solids

6 mg/L

Comment: Associated data has been marked with a "B" qualifier.

Acceptability: OK

Trip Blanks

Were trip blanks free of target analyte contamination?

Comment:

Yes X

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

Batch:

Constituent

Detected Result

BNK0387-BLK1

Naphthalene

0.063 ug/L

BNK0387-BLK1

1-Methylnaphthalene

0.013 ug/L

BNK0464-BLK1

Dissolved Solids

6 mg/L

Acceptability: OK

Field Duplicates

Were duplicate relative percent difference (RPDs) within control limits?

Comment: No field duplicate was collected during this event.

Acceptability: NA

ATTACHMENT B

FIELD DATA SHEETS

GROUNDWATER SAMPLING FIELD DATA SHEET

SMW-1

Sampling Event: 2025 Q4

Sample #: _____

Project Number: <u>518300030-001</u>	Date: <u>11/18/25</u>
Project Name: <u>Snipes Mountain Landfill</u>	Location: <u>LVT5</u>
Project Address: <u>Outlook, WA</u>	Sampled By: <u>TK & LT</u>
Client Name: <u>Yakima County</u>	Purged By: <u>TK & LT</u>
Laboratory: <u>ARI</u>	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): <u>243.60</u>	Purge Volume Measurement Method: _____
Depth of Well (feet): <u>250 ft</u>	Purge Date/Time: _____
Reference Point (surveyors notch, etc.): _____	Purging Equipment: <u>Hydrostar</u>
Sampling Equipment: <u>Hydrostar</u>	Water Level Probe Used: <u>300' orange</u>
Casing Volume Constants (CVC): 2-inch = <u>0.16</u> gpf ; 4-inch = <u>0.656</u> gpf ; 6-inch = <u>1.47</u> gpf	
Purge Volume = ft of water _____ x CVC <u>0.16</u> x Casing Volumes _____ = _____ gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
<u>Not sampled — water level too low</u>							

Note: Well has insufficeint water to sample (runs dry) if SWL below 239 ft bgs.

NOT SAMPLED

Well Integrity: _____

Bottle Inventory				Day/Time Sampled:
Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
<u>3</u>	<u>40 mL VOAs</u>	<u>HCl</u>		<u>Volatiles</u>
<u>1</u>	<u>500 mL HDPE</u>	<u>HNO3</u>	<u>0.45 um</u>	<u>Dissolved (FF) metals</u>
<u>1</u>	<u>500 mL HDPE</u>			<u>NO3/NO2/Cl/SO4</u>
<u>1</u>	<u>250 mL AG</u>	<u>H2SO4</u>		<u>TOC/COD/NH3</u>

PGG

Signature: _____

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GROUNDWATER SAMPLING FIELD DATA SHEET

SMW-2

Sampling Event: 2025 R4

Sample #: _____

Project Number: <u>518300030-001</u>	Date: <u>11/20/25</u>
Project Name: <u>Snipes Mountain Landfill</u>	Location: <u>LVTS</u>
Project Address: <u>Outlook, WA</u>	Sampled By: <u>TK & LT</u>
Client Name: <u>Yakima County</u>	Purged By: <u>TK & LT</u>
Laboratory: <u>ARI</u>	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): <u>219.40</u>	Purge Volume Measurement Method: <u>bucket</u>
Depth of Well (feet): <u>250 ft</u>	Purge Date/Time: <u>11/20/2025 08:56</u>
Reference Point (surveyors notch, etc.): <u>TOC sounding tube</u>	Purging Equipment: <u>Hydrostar</u>
Sampling Equipment: <u>Hydrostar</u>	Water Level Probe Used: <u>LF Coaxial</u>
Casing Volume Constants (CVC): 2-inch = <u>0.16</u> gpf ; 4-inch = <u>0.656</u> gpf ; 6-inch = <u>1.47</u> gpf	
Purge Volume = ft of water <u>30.6</u> x CVC <u>0.16</u> x Casing Volumes <u>3</u> = <u>14.7</u> gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
<u>08:58</u>	<u>1.50</u>	<u>7.71</u>	<u>475</u>	<u>15.95</u>	<u>clear</u>	<u>8.1</u>	<u>9.68</u>
<u>9:00</u>	<u>3.50</u>	<u>7.86</u>	<u>484</u>	<u>16.85</u>	<u>clear</u>	<u>38.3</u>	<u>8.70</u>
<u>09:05</u>	<u>7</u>	<u>7.65</u>	<u>473</u>	<u>16.56</u>	<u>clear</u>	<u>-11.1</u>	<u>9.06</u> ↓
<u>09:09</u>	<u>13</u>	<u>7.49</u>	<u>478</u>	<u>16.77</u>	<u>clear</u>	<u>-5.8</u>	<u>8.77</u>

q = 1.5 gal in 1 min 12 sec.

Well Integrity:

Bottle Inventory				Day/Time Sampled: <u>09:15</u> <u>11/20/25</u>
Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
<u>3</u>	<u>40 mL VOAs</u>	<u>HCl</u>		<u>Volatiles</u>
<u>1</u>	<u>500 mL HDPE</u>	<u>HNO3</u>	<u>0.45 um</u>	<u>Dissolved (FF) metals</u>
<u>1</u>	<u>500 mL HDPE</u>			<u>NO3/NO2/Cl/SO4</u>
<u>1</u>	<u>250 mL AG</u>	<u>H2SO4</u>		<u>TOC/COD/NH3</u>

Pgg

Signature: [Signature]Page 1 of 1

230.74
= WLC 3

GROUNDWATER SAMPLING FIELD DATA SHEET

SMW-4

Sampling Event: 2025 Q4

Sample #: _____

Project Number: 518300030-001	Date: 11/19/25
Project Name: Snipes Mountain Landfill	Location: LVTs
Project Address: Outlook, WA	Sampled By: TK & LT
Client Name: Yakima County	Purged By: TK & LT
Laboratory: ARI	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): 230.74 244.08	Purge Volume Measurement Method: _____
Depth of Well (feet): 320 ft	Purge Date/Time: _____
Reference Point (surveyors notch, etc.): _____	Purging Equipment: bladder pump
Sampling Equipment: bladder pump	Water Level Probe Used: _____
Casing Volume Constants (CVC): 2-inch = 0.16 gpf ; 4-inch = 0.656 gpf ; 6-inch = 1.47 gpf	
Purge Volume = ft of water _____ x CVC 0.16 x Casing Volumes _____ = _____ gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
09:34	0.25	7.65	237	15.29		110.3	8.11
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

 $Q = \sim 0.5 \text{ gal/min}$

Well Integrity: _____

Bottle Inventory

Day/Time Sampled: 11/16/2025 12:30 12:00

Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
3	40 mL VOAs	HCl		Volatiles
1	500 mL HDPE	HNO3	0.45 um	Dissolved (FF) metals
1	500 mL HDPE			NO3/NO2/Cl/SO4
1	250 mL AG	H2SO4		TOC/COD/NH3
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PGG

Signature: _____

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GROUNDWATER SAMPLING FIELD DATA SHEET

SMW-5S

Sampling Event: 2025 Q4

Sample #: _____

Project Number: <u>518300030-001</u>	Date: _____
Project Name: <u>Snipes Mountain Landfill</u>	Location: <u>LVTs</u>
Project Address: <u>Outlook, WA</u>	Sampled By: <u>TK & LT</u>
Client Name: <u>Yakima County</u>	Purged By: <u>TK & LT</u>
Laboratory: <u>ARI</u>	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): <u>183.49</u>	Purge Volume Measurement Method: _____
Depth of Well (feet): <u>248 ft</u>	Purge Date/Time: _____
Reference Point (surveyors notch, etc.): _____	Purging Equipment: _____
Sampling Equipment: _____	Water Level Probe Used: _____
Casing Volume Constants (CVC): 2-inch = <u>0.16</u> gpf ; 4-inch = <u>0.656</u> gpf ; 6-inch = <u>1.47</u> gpf	
Purge Volume = ft of water _____ x CVC <u>0.16</u> x Casing Volumes _____ = _____ gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
<u>No parameters taken in well. — hydrosleeve stuck</u>							

Well Integrity: _____

Bottle Inventory				Day/Time Sampled: <u>11/20/25 10:00</u>
Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
<u>3</u>	<u>40 mL VOAs</u>	<u>HCl</u>		<u>Volatiles</u>
<u>1</u>	<u>500 mL HDPE</u>	<u>HNO3</u>	<u>0.45 um</u>	<u>Dissolved (FF) metals</u>
<u>1</u>	<u>500 mL HDPE</u>			<u>NO3/NO2/Cl/SO4</u>
<u>1</u>	<u>250 mL AG</u>	<u>H2SO4</u>		<u>TOC/COD/NH3</u>

PGG

Signature: [Signature]

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GROUNDWATER SAMPLING FIELD DATA SHEET

SMW-5D

Sampling Event: 2026 Q3

Sample #: _____

Project Number: <u>518300030-001</u>	Date: <u>11/19/25</u>
Project Name: <u>Snipes Mountain Landfill</u>	Location: <u>LVTs</u>
Project Address: <u>Outlook, WA</u>	Sampled By: <u>TK & LT</u>
Client Name: <u>Yakima County</u>	Purged By: <u>TK & LT</u>
Laboratory: <u>ARI</u>	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): <u>193.28</u>	Purge Volume Measurement Method: _____
Depth of Well (feet): <u>470.5 ft</u>	Purge Date/Time: <u>10:00 11/19/25</u>
Reference Point (surveyors notch, etc.): _____	Purging Equipment: <u>Hydro sleeve</u>
Sampling Equipment: <u>Hydro sleeve</u>	Water Level Probe Used: <u>300' orange</u>
Casing Volume Constants (CVC): 2-inch = <u>0.16</u> gpf ; 4-inch = <u>0.656</u> gpf ; 6-inch = <u>1.47</u> gpf	
PV = ($\pi r^2 h$) (7.48 gal/ft ³)	
Purge Volume = ft of water _____ x CVC <u>0.16</u> x Casing Volumes _____ = _____ gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
<u>12:26</u>	<u>—</u>	<u>8.20</u>	<u>315</u>	<u>15.45</u>	<u>clear</u>	<u>87.9</u>	<u>7.63</u>

Well Integrity: 2

Bottle Inventory				Day/Time Sampled: <u>11/19/25 11:00</u>
Quantity	Container:	Preservatives:	Filtered (type):	Remarks:
<u>3</u>	<u>40 mL VOAs</u>	<u>HCl</u>		<u>Volatiles</u>
<u>1</u>	<u>500 mL HDPE</u>	<u>HNO3</u>	<u>0.45 um</u>	<u>Dissolved (FF) metals</u>
<u>1</u>	<u>500 mL HDPE</u>			<u>NO3/NO2/Cl/SO4</u>
<u>1</u>	<u>250 mL AG</u>	<u>H2SO4</u>		<u>TOC/COD/NH3</u>

PGG

Signature: [Signature]

GROUNDWATER SAMPLING FIELD DATA SHEET

O.L. Luther

Sampling Event: _____

Sample #: _____

Project Number: 518300030-001
Project Name: Snipes Mountain Landfill
Project Address: Outlook, WA
Client Name: Yakima County
Laboratory: ARI
Chain-of-Custody (yes/no) _____
Shipment Method: _____

Date: _____
Location: LVTS - Offsite Well
Sampled By: TK & LT
Purged By: TK & LT
Date Sent to Lab: _____
Field CC Sample Number: _____
Sample Split: _____

Depth to Water (feet): N/A
Depth of Well (feet): N/A
Reference Point (surveyors notch, etc.): N/A
Sampling Equipment: _____

Purge Volume Measurement Method: _____
Purge Date/Time: 11/19/25
Purging Equipment: _____
Water Level Probe Used: N/A

Casing Volume Constants (CVC): 2-inch = 0.16 gpf ; 4-inch = 0.656 gpf ; 6-inch = 1.47 gpf
Purge Volume = ft of water _____ x CVC 0.16 x Casing Volumes _____ = _____ gallons

$$PV = (\pi r^2 h) (7.48 \text{ gal/ft}^3)$$

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
16:00	—	7.69	779	10.70	clear	155.2	7.08

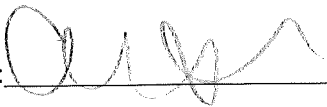
Well Integrity: _____

Bottle Inventory

Day/Time Sampled: 16:00 11/19/25

Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
3	40 mL VOAs	HCl		Volatiles

PGG

Signature: 

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GROUNDWATER SAMPLING FIELD DATA SHEET

Evans

Sampling Event: 2025 Q4

Sample #: _____

Project Number: <u>518300030-001</u>	Date: <u>11/19/25</u>
Project Name: <u>Snipes Mountain Landfill</u>	Location: <u>LVT5 - Offsite Well</u>
Project Address: <u>Outlook, WA</u>	Sampled By: <u>TK & LT</u>
Client Name: <u>Yakima County</u>	Purged By: <u>TK & LT</u>
Laboratory: <u>ARI</u>	Date Sent to Lab: _____
Chain-of-Custody (yes/no) _____	Field CC Sample Number: _____
Shipment Method: _____	Sample Split: _____

Depth to Water (feet): <u>N/A</u>	Purge Volume Measurement Method: _____
Depth of Well (feet): <u>N/A</u>	Purge Date/Time: <u>15:30</u>
Reference Point (surveyors notch, etc.): <u>N/A</u>	Purging Equipment: _____
Sampling Equipment: <u>YSI</u>	Water Level Probe Used: <u>N/A</u>
Casing Volume Constants (CVC): 2-inch = <u>0.16</u> gpf ; 4-inch = <u>0.656</u> gpf ; 6-inch = <u>1.47</u> gpf	
Purge Volume = ft of water _____ x CVC <u>0.16</u> x Casing Volumes _____ = _____ gallons	

TIME (2400 hr)	CUMULATIVE VOLUME (gal)	pH (units)	EC (umhos/cm 25 c)	Temp. (C)	TURBIDITY (visual)	ORP (mV)	DO (mg/L)
<u>15:31</u>		<u>7.94</u>	<u>405</u>	<u>11.32</u>	<u>clear</u>	<u>137.6</u>	<u>12.43</u>

Well Integrity:

Bottle Inventory				Day/Time Sampled: <u>15:30 11/19/25</u>
Quantity:	Container:	Preservatives:	Filtered (type):	Remarks:
<u>3</u>	<u>40 mL VOAs</u>	<u>HCl</u>		<u>Volatiles</u>

PGG

Signature: [Signature]

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