

Northwest Vermont Solid Waste Management District

158 MORSE DRIVE, FAIRFAX, VT 05454
802-524-5986 • FAX: 802-524-5987

NOTICE

NORTHWEST VERMONT SOLID WASTE DISTRICT

BOARD OF SUPERVISORS MEETING

DATE: FEBRUARY 4, 2026

TIME: 6:30 PM

LOCATION: CITY HALL COUNSEL CHAMBERS, ST. ALBANS, VT AND
VIA ZOOM: <https://us02web.zoom.us/j/4456759564>

1. Welcome, introductions, opening remarks –Chair
2. Opportunity for Public Comment
3. Approval of Minutes: December 3, 2025 (enclosed)
4. STAFF REPORTS
 - 1) Executive Director’s Report
 - 2) Financial Report
5. Shall the NWSWD include the City of St. Albans Categorical Disposal site at Hard’ack Recreational Area in our Solid Waste Implementation Plan?
6. Shall the Board authorize an extension to the line of credit with People’s Trust Company Expiring on February 8th (current rate of 2% at in the current amount of \$500,000) with a new rate of 2.25%, in the amount of 250K, for a period of 6 mo for the purpose of maintaining cash flow?
7. Other Business/Announcements
8. Adjourn

Pizza will be provided.

EXECUTIVE COMMITTEE

In the event of lack of quorum of the full board the executive committee will meet to deal with the above agenda items for which it is authorized.

MEMBER COMMUNITIES

ALBURGH • BAKERSFIELD • BERKSHIRE • ENOSBURG • FAIRFIELD • FLETCHER • FRANKLIN • GEORGIA • GRAND ISLE
HIGHGATE • ISLE LA MOTTE • MONTGOMERY • NORTH HERO • RICHFORD • ST. ALBANS CITY • ST. ALBANS TOWN
SHELDON • SOUTH HERO • SWANTON

Minutes

NWSWD Board of Supervisors Meeting

Public Hearing – NWSWD Draft Solid Waste Implementation Plan (SWIP) And NWSWD Draft FY27 Operational Budget

December 3, 2025

The Board of Supervisors of the Northwest Vermont Solid Waste Management District held their regularly scheduled board meeting and the Public Hearings for the SWIP and the FY27 Operational Budget on December 3, 2025, via zoom (noted) and at the St. Albans City Hall Counsel Chambers at 6:00PM.

Supervisors Present:

Blake, Jared – Franklin
Doremus, Mark – Bakersfield
Getty, Jennifer – Fletcher
Lambert, Paul – Georgia
Micheli, Carlo – Swanton

Manahan, Mike – St. Albans City
Richards, Jim - No. Hero - zoom
Shepard, Kristin – Richford - zoom
St. Francis, April – Highgate
Sylvester, Mary – Berkshire - zoom

Supervisors Absent:

Buermann, Bob – So. Hero
Kade, Barry – Montgomery
McCracken, Alex – Alburgh

Others Present:

John Leddy, Executive Director
Pam Bolster, Finance

Public Hearing 6:00PM

Chair Jennifer Getty welcomed all members and opened the Public Hearing at 6:00PM.

- a) **Public Hearing 2 on the NWSWD's new Solid Waste Implementation Plan:** John Leddy presented the details of the draft solid waste implementation plan (SWIP) for the years 2026-2030. Highlighting the new requirements such as accessible website communication, digital and print outreach, and annual visits to libraries, town offices, and transfer stations as well as the mandates of waste reduction efforts, hazardous waste collection, and disaster debris management. Noted was the need to work with towns in the region to develop a disaster debris plan and address issues related to biosolids disposal. The board reviewed and discussed each issue.
- b) **Public Hearing on the FY27 Operational Budget:** John Leddy and Pam Bolster presented the FY27 Operational Budget. Noted were income trends that are based on past actual numbers over three years that reflect increased program usage as well as the addition of a full year of operating the Alburgh Transfer Station. Discussions on expenses included that while

some expenses have a corresponding income, the sale of recyclables is market-driven and subject to fluctuations which are currently down by about half since 2021. The \$32 per ton surcharge increase for FY27 was justified in part by recent double-digit healthcare and utility cost increases. Jennifer Getty noted her comfortability with the \$32.00 surcharge. The addition of Alburgh which affects previous year budget comparisons and the accrual process was explained. It was added that the municipal assessment was increased by \$0.10 to \$1.50. The board discussed these issues with particular focus on the surcharge increase exploring the options for a smaller increase as well as the notification to haulers of the increase.

c) Opportunity for Public Comment: None, No Members of the Public in Attendance.

d) Chair Jennifer Getty asked for a motion to close the Public Hearing at 6:40 PM. Jared Blake made a motion to close the public hearing. Paul Lambert second the motion. All were in favor and the motion passed.

Jennifer Getty opened the full board meeting at 6:40PM

1) Review Agenda: No Changes

2) Approval of Minutes for November 12, 2025. Mike Manahan moved to approve the minutes as written, Mark Doremus seconded. All were in approval, Jim Richards abstained. The motion was passed.

3) Old Business: Staff Reports:

a) Directors Report: John Leddy stated he had no written directors report but noted the following:

- An early winter has prompted us to prepare earlier than usual our drop off sites for the season with salt/sand and shovels to keep sites clear. The Towns who help to plow our sites have been communicated with and back up plans are being developed as well as last minute maintenance. Site numbers are starting to reflect the seasonal shift.
- Four Educational and Outreach events were held this past month to educate residents about low waste behaviors including repurposed crafts, making your own household cleaners, and paper making. We attended the Franklin Industrial Development Corp Technology Fair and taught eighth graders about waste and its toxicity.
- An outreach campaign in relations to composting and contamination has begun reminding residents of what is allowed and what is not and will be increasing signage at our drop off sites as well as handing out information to all.
- Plastic Discussion and new partnerships were discussed.

b) Finance Report:

No finance report was presented due to time constraints from budgeting, supervisors data and other issues:

4) **New Business:**

- a) **Discussion and Vote: Shall the Board adopt the draft NWSWD Solid Waste Implementation Plan?** Discussed during Public Hearing. Paul Lambert made a motion to adopt the plan as written. Jared Blake seconded the motion. All were in favor and the motion passed.
- b) **Discussion and Vote: Shall the Board adopt the FY27 District Operational Budget as warned or amended?** Brief discussion ensued including Healthcare. Mark Doremus made a motion to accept the FY27 Budget as written with the \$32.00 Surcharge and the switch from Blue Cross Blue Shield High Deductible Gold Plan to the MVP High Deductible Gold Plan. Mike Manahan seconded the motion. All were in favor and the motion passed.
- c) **Discussion and Vote: Shall the Board set the FY27 District municipal assessment at \$1.50 per capita based on the most recent census data, with a due date of November 15, 2026, and direct the District Treasurer to issue warrants to member municipalities?** April St. Francis made a motion to accept the assessment at \$1.50. Jared Blake seconded the motion. All were in favor and the motion passed.
- d) **Certificate of Project Completion:** Required by the Bond Bank. The board was asked to sign the Certificate of Project Completion for both the 2024 and the 2025 bonds with and for the Vermont Bond Bank. ReArch Construction has closed the project officially. Paperwork was passed to each board member for their signature.

5. **Other Business: None**

Meeting adjourned 8:10 PM

Director's Report 2-4-2026

Since we last met in December District staff finished pulling together a summary of our activity in 2025 with surprising and encouraging results. This summary was the basis of our 2025 Supervisor's report which went out at the beginning of January to all town offices for inclusion in their Annual Reports.

We have faced a fair number of weather-related challenges in 2026, from snowstorms to extended stretches of sub-zero temperatures! We have dealt with frozen totes of food scraps in our compost program, frozen trash in our roll-off boxes, icy drop-off sites, extra snow shoveling, dead equipment batteries. When we faced -30-degree wind chills we felt it was best to close our sites on January 24th. All of this is really to be expected, however it goes to show that regardless of the weather waste must be managed and our crew does an amazing job in the worst of circumstances.

This past weekend the District co-hosted a repair café with the St. Albans Museum. This event gathered skilled repair people in our community and invited residents to bring items that needed small repairs. This community focused event brought people together, shared skills, and most importantly kept stuff out of the landfill. Items repaired included clocks, telephones, furniture, and more! The afternoon was filled with storytelling and exploration about people's connection to waste. Attendees heard from workers in the waste industry, District staff, and community members. This event was a huge success, and we hope it will form the foundation of more repair cafés to come.

An agenda item for this month's meeting regards the inclusion of a Categorical Disposal facility for the City of St. Albans. This isn't as exciting as it sounds. The City has applied for, and received, a State of Vermont certification to store only soil from urban development at the Hard'ack recreation area. Here those soils will form the base for a new set of athletic fields. The soils are contaminated solely by polycyclic aromatic hydrocarbons (PAHs), arsenic, or lead at concentrations which exceed Vermont Soil Standards and are not hazardous waste. Soils that have trace amounts of these pollutants would be found in any developed area of the state but cannot be considered clean fill. Creating this facility will keep the City from needing to landfill these soils. Once the project is complete this soil will be capped by 18" of clean soil.

In legislative news, there is one bill that is waste related to receive attention so far. I will be giving testimony on waste tire management this coming week for a bill that seeks to have tire manufacturers create a plan/system for end of life tire management/recycling. I plan to discuss how we manage tires in Northwest Vermont, how many tires are dumped roadside, and concerns about the limited number of outlets for waste tires in New England.

As always, thanks for your commitment to what we do and know that I value your input and contributions to our mission.

Onward - John

Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
 July 2025 through January 2026

3:26 PM

02/02/26

Accrual Basis

	Jul '25 - Jan 26	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Compost Collection				
Commercial Route Compost	72,625.75	188,000.00	-115,374.25	38.6%
Brush Collection	3,848.00	1,400.00	2,448.00	274.9%
Residential Route Composting	17,465.66	40,000.00	-22,534.34	43.7%
Compost Collection - Other	10.00			
Total Compost Collection	93,949.41	229,400.00	-135,450.59	41.0%
Computer/Electronic Recy Income	10,165.68	23,540.00	-13,374.32	43.2%
Grants				
Pesticide Grant	15,884.00	7,942.00	7,942.00	200.0%
SWIP Grant	0.00	47,035.00	-47,035.00	0.0%
Total Grants	15,884.00	54,977.00	-39,093.00	28.9%
Hauler Licensing	1,490.00	2,280.00	-790.00	65.4%
Haz Waste Fees	14,956.11	35,365.00	-20,408.89	42.3%
Interest Income	5,289.64	5,500.00	-210.36	96.2%
Miscellaneous Income	662.00	500.00	162.00	132.4%
Municipal Assessments	74,384.80	74,385.00	-0.20	100.0%
Recycling Income	89,779.11	119,750.00	-29,970.89	75.0%
Sale of Recyclables	26,741.08	65,265.00	-38,523.92	41.0%
Trash Income	363,278.19	660,947.00	-297,668.81	55.0%
Surcharge Income	499,082.98	1,016,223.00	-517,140.02	49.1%
Recycle Bin Sales	1.00			
Minor A/R and A/P Charge-Off	-2.06			
Total Income	1,195,661.94	2,288,132.00	-1,092,470.06	52.3%
Cost of Goods Sold				
Cost of Goods Sold	26.82			
Total COGS	26.82			
Gross Profit	1,195,635.12	2,288,132.00	-1,092,496.88	52.3%
Expense				
Administration Expenses				
Advertising	1,336.60	1,500.00	-163.40	89.1%
Bank Service Charges				
Credit Card Processing	1,868.32			
Bank Service Charges - Other	0.00	4,500.00	-4,500.00	0.0%
Total Bank Service Charges	1,868.32	4,500.00	-2,631.68	41.5%
Copier Lease	1,334.83	2,300.00	-965.17	58.0%
Dues	8,064.76	18,000.00	-9,935.24	44.8%
Insurance	35,153.05	80,000.00	-44,846.95	43.9%
Misc.	418.82	2,500.00	-2,081.18	16.8%
Office Equipment	10,614.92	9,500.00	1,114.92	111.7%
Office Supplies	1,471.80	5,000.00	-3,528.20	29.4%
Postage and Delivery	936.00	1,300.00	-364.00	72.0%
Training/Development	785.30	5,000.00	-4,214.70	15.7%
Utilities				
Telephone	3,123.98			

Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
 July 2025 through January 2026

3:26 PM

02/02/26

Accrual Basis

	Jul '25 - Jan 26	Budget	\$ Over Budget	% of Budget
Utilities - Other	11,219.48	19,500.00	-8,280.52	57.5%
Total Utilities	14,343.46	19,500.00	-5,156.54	73.6%
Payroll Clearance	-11,286.23			
Administration Expenses - Other	149.88			
Total Administration Expenses	65,191.51	149,100.00	-83,908.49	43.7%
Personnel Expenses				
Benefits				
ER 457 Cont	17,000.52	34,825.00	-17,824.48	48.8%
Benefits - Other	186,584.22	315,377.00	-128,792.78	59.2%
Total Benefits	203,584.74	350,202.00	-146,617.26	58.1%
ER Taxes	39,604.53	51,001.22	-11,396.69	77.7%
Gross Wages	487,028.82	877,018.00	-389,989.18	55.5%
Payroll Processing	4,280.60	5,500.00	-1,219.40	77.8%
Total Personnel Expenses	734,498.69	1,283,721.22	-549,222.53	57.2%
Board of Supervisors				
VMBB Bond Expense Series 2025-1	10,557.50	21,115.00	-10,557.50	50.0%
VMBB Bond Expense Series 2024-1	19,031.29	87,118.00	-68,086.71	21.8%
Board Meetings/Retreats	200.43	500.00	-299.57	40.1%
Legal/Accounting	15,380.00	14,000.00	1,380.00	109.9%
Property Taxes	11,266.27	10,500.00	766.27	107.3%
Sheldon Land Note-Contingency	0.00	3,000.00	-3,000.00	0.0%
VMBB Bond Expense Series 2007-1	169.75	49,941.50	-49,771.75	0.3%
Total Board of Supervisors	56,605.24	186,174.50	-129,569.26	30.4%
Facilities/Equipment Expenses				
Alburgh Equipment Lease	0.00	15,000.00	-15,000.00	0.0%
Mobile Equipment Maint/Repairs				
Capital Maintenance	17,965.65	35,000.00	-17,034.35	51.3%
New Equipment	51,787.32	1,000.00	-1,000.00	0.0%
Building Improvements	0.00	500.00	-500.00	0.0%
Building Maintenance / Repairs	2,867.08	8,075.00	-4,797.27	57.34%
Equipment Supplies/Maintenance	3,277.73	10,000.00	-6,722.27	40.6%
	7,675.31		-2,324.69	76.8%
Janitorial	6,270.27	64,992.00	-37,330.62	42.6%
Mobile Equipment Fuel	27,661.38	3,800.00	-23,861.38	180.0%
Plowing/Mowing	6,840.00	5,000.00	1,840.00	85.1%
Warehouse Supplies	4,252.73			
Total Facilities/Equipment Expenses	128,597.47	143,367.00	-14,769.53	89.7%
Direct Services				
Trash Disposal	108,877.24	220,841.00	-111,963.76	49.3%
Enforcement	0.00	1,000.00	-1,000.00	0.0%
Community Assistance	0.00	1,000.00	-1,000.00	0.0%
Drop Off Site Expenses	10,880.84	14,800.00	-3,919.16	73.5%
Composting				
Brush Collection	2,820.00			
Commercial Route Compost	34,084.00			
Composting - Other	13,464.44	110,000.00	-96,535.56	12.2%

Northwest Vermont Solid Waste Mgt District
Profit & Loss Budget vs. Actual
 July 2025 through January 2026

3:26 PM
 02/02/26
 Accrual Basis

	Jul '25 - Jan 26	Budget	\$ Over Budget	% of Budget
Total Composting	50,368.44	110,000.00	-59,631.56	45.8%
Recycling	68,722.51	94,450.00	-25,727.49	72.8%
Computer/Electronic Collection	2,497.12	3,900.00	-1,402.88	64.0%
Education Outreach	5,212.29	10,000.00	-4,787.71	52.1%
Hazardous Waste	28,751.55	48,000.00	-19,248.45	59.9%
Total Direct Services	275,309.99	503,991.00	-228,681.01	54.6%
Total Expense	1,260,202.90	2,266,353.72	-1,006,150.82	55.6%
Net Ordinary Income	-64,567.78	21,778.28	-86,346.06	-296.5%
Net Income	-64,567.78	21,778.28	-86,346.06	-296.5%

Receipts

November 2025

	<u>Nov 25</u>
Addison County Solid Waste District	42.00
Alburgh Elementary	110.00
All Cycle - Highgate	41,487.17
All Cycle - Montpelier	540.08
All Cycle - Williston	13,698.14
All Metals Recycling	852.60
Bakersfield Elementary/Middle School	250.00
Bakersfield, Town of	1,822.80
Bayside Pavillion	98.00
Berkshire Elementary	155.00
BFA-St. Albans City (c)	115.00
Drop Off Sites	61,574.00
Enosburg Elementary School	215.00
Enosburg Falls Middle School	125.00
Fairfield Center School	145.00
Fletcher Town School District	100.00
Fletcher, Town of	1,933.40
Four Winds - Cathedral Square	128.00
Franklin County Rehab	143.00
Franklin Elementary	262.50
Georgia Town School District	353.00
Georgia, Town of	6,885.20
Good Point Recycling, American Retroworks	976.80
Grand Isle State Park	25.00
Grice Brook Gardens	415.50
Hawks Nest Housing	441.00
Highgate Elementary	438.00
Huntington Estates HOA	166.00
Kaiju Kitchen	85.00
Los Jefes	85.00
Main Street Market	195.00
Maple Run School District Central Office	54.00
Mimmo's	96.00
Miniature Farm	2,000.00
MVU	612.50
Myers	12,928.42
NCTC	85.00
Northwest Counseling & Support Services	153.00
Northwest Medical Center/Hospitality (c)	555.50
Perrigo	578.00
Pet Food Warehouse	35.00
Richford Elementary School	287.50
Richford High School	115.00
Rock Tenn	1,775.08
Saint Michael's College	55.00
Shelburne Limestone Corp	93.50
Sheldon School	588.00
St. Albans City School	730.50
St. Albans Town School (SATEC)	370.00
Superior Technical Ceramics	68.00
Swanton Elementary School	655.50
Sylvesters Rubbish Removal, LLC	7,362.50
Thai House, LLC	85.00
Traveled Cup	280.50
Villa, The	153.00
Warner Home	68.00
TOTAL	<u>163,646.69</u>

Receipts

December 2025

	<u>Dec 25</u>
Alburgh Elementary	122.50
Alburgh Family Clubhouse	40.00
All Cycle - Highgate	69,331.34
All Cycle - Montpelier	649.79
All Cycle - Williston	23,904.65
All Metals Recycling	1,872.91
Belfry Restaurant	342.50
Beth-El Court Association	68.00
Brookside Condos 2	68.00
Cherry Tree Court Apartments	136.00
Drop Off Sites	48,684.50
Duffy's	10,557.18
Enosburg Elementary School	215.00
Enosburgh, Town of	3,932.60
Fairfield Center School	143.00
Four Winds - Cathedral Square	145.00
Franklin County Rehab	160.00
Franklin Elementary	102.50
Georgia Market	160.00
Georgia Town School District	300.50
Georgia, Town of	40.00
Good Point Recycling, American Retroworks	408.93
Gordon, Cassie	10.00
Heritage Lane Apartments	85.00
Highgate Elementary	218.00
Hodgdon Bros & Sons Inc	237.00
Holy Angels Apartments	68.00
Huntington Estates HOA	68.00
Jeff's Seafood	173.00
Kaiju Kitchen	51.00
Lovelettes Custom Cutting	465.00
Main Street Market	327.50
Maple City Diner	466.00
Maple Run School District Central Office	54.00
Med Associates	150.00
Mill River Brewing	218.00
Mimmo's	90.50
Miniature Farm	1,000.00
Montgomery Elementary School	140.00
MVU	203.00
Myers	12,079.18
Northwest Counseling & Support Services	272.00
Northwest Medical Center/Hospitality (c)	553.00
Pet Food Warehouse	91.00
Richford Elementary School	230.00
Rock Tenn	1,649.84
Ryan Jordan @ Main LLC	34.00
Simon's Island Beverage	100.00
Snowshoe Lodge	195.00
St. Albans City School	586.00
St. Albans Town School (SATEC)	278.00
Swanton Elementary School	248.00
Sylvesters Rubbish Removal, LLC	7,665.13
Thai House, LLC	68.00
Traveled Cup	105.50
Tuttle's Trucking-Customer	9,394.29
Vermont's Premier Suites	221.00
No name	1,297.88
TOTAL	<u>200,476.72</u>

Receipts

January 2026

	<u>Jan 26</u>
Addison County Solid Waste District	21.00
Alburgh Elementary	125.00
Alburgh Family Clubhouse	60.00
All Cycle - Highgate	28,947.63
All Cycle - Montpelier	641.57
All Cycle - Williston	12,643.20
All Metals Recycling	223.20
Bakersfield Elementary/Middle School	290.00
Bayside Pavillion	168.00
Berkshire Elementary	230.00
Beth-El Court Association	153.00
BFA-St. Albans City (c)	196.00
Brookside Condos 2	51.00
Cherry Tree Court Apartments	85.00
Customs / Border Patrol	55.00
Drake, The	306.00
Drop Off Sites	39,936.00
Enosburg Elementary School	135.00
Enosburg Falls Middle School	275.00
Fairfield Center School	96.00
Fletcher Town School District	162.50
Four Winds - Cathedral Square	173.50
Franklin County Rehab	135.50
Franklin Elementary	90.00
Frost Beer	21.00
Georgia Market	181.00
Georgia Town School District	233.00
Grice Brook Gardens	295.50
Hawks Nest Housing	166.00
Heritage Lane Apartments	136.00
Highgate Elementary	180.50
Holy Angels Apartments	238.00
Huntington Estates HOA	85.00
Jeff's Seafood	440.00
Kaiju Kitchen	51.00
Lovelettes Custom Cutting	255.00
Main Street Market	362.50
Maple Run School District Central Office	54.00
Mill River Brewing	440.00
Mimmo's	115.00
Miniature Farm	1,000.00
Montgomery Elementary School	357.50
MVU	201.00
Myers	11,032.53
NCTC	153.00
Northwest Counseling & Support Services	153.00
Northwest Medical Center/Hospitality (c)	491.00
Perrigo	91.00
Pet Food Warehouse	28.00
Reid Commons Senior Housing Center	85.00
Richford Elementary School	297.50
Richford High School	177.50
Rock Tenn	1,502.97
Ryan Jordan @ Main LLC	85.00
Sheldon School	473.50
Simon's Island Beverage	160.00
Snowshoe Lodge	87.50
St. Albans City School	539.00
St. Albans Town School (SATEC)	313.00
Superior Technical Ceramics	153.00
Swanton Elementary School	263.00
Sylvesters Rubbish Removal, LLC	7,475.39
Thai House, LLC	68.00
Traveled Cup	122.50
TREX Company, Inc	6,088.60
Tuttle's Trucking-Customer	9,289.34
Villa, The	153.00
Warner Home	68.00

Receipts

January 2026

TOTAL

Jan 26

129,361.43

Payments

November 2025

	Nov 25
All Cycle - Highgate Transfer	-13,394.55
Amazon.com	-711.67
Bartemy, Selina	-156.80
Blair's Trucking - vendor	-800.00
Blue Cross and Blue Shield of VT	-20,333.06
Bobby T's Commercial Cleaning Services	-900.00
Bourne's Energy	-31.17
Casella-Hyde Park Transfer Station	-3,062.39
Cerberus EHS	-400.00
Chapman, Dale	-443.28
Chittenden Solid Waste District	-1,818.00
Cintas	-120.55
Complete Septic Services	-318.00
Consolidated Communications	-92.91
Cotas Propane Recycling	-168.50
Crown Lift Trucks	-179.00
Dayo's Welding & Fabricating LLC	-550.00
De Lage Landen Financial Services, Inc.	-378.82
Dollar General	-15.37
Drummac Wind River Environmental	-300.00
Enpro Services of Vermont, Inc *	-10,172.99
Facebook	-1.86
Foley Services	-111.33
Franklin County NY Landfill	-2,769.20
Garrett, Richard	-171.00
Geo S. Wood	-1,518.00
Georgia Auto Parts	-250.20
Green Mountain Power	-995.71
Hudak Farms	-10,871.00
Infinity Trust VSP	-281.73
Interstate Refrigerant Recovery, Inc	-630.00
J&L Hardware, Inc.	-36.76
K-N-S Tire Recycling	-3,759.50
Kaseweter, Mikhaila	-154.70
Madison National Life	-210.25
Maple, Tim	-300.00
Mimmo's Pizzeria & Restaurant	-73.04
Misc	-13,450.16
Myers Recycling Center	-1,456.73
Northeast Delta Dental	-970.34
O'Brien, Matt	-83.30
Ooma Inc	-223.16
PayData	-64,753.18
Plant, Shannon	-49.00
R.L. Vallee, Inc.	-4,462.84
RHR Smith & Company	-3,850.00
Rural Solutions	-1,924.92
Sheldon, Vendor	-517.82
Sleep Well Recycling	-1,945.80
Staples	-377.66
Sticks & Stuff	-1,818.74
Trash Flow	-100.00
US Postmaster	-936.00
Verizon	-90.99
Vermont Electric Coop	-126.64
Visual Edge IT	-9.00
VLCT PACIF	-17,272.87
VT Dept of Taxes	-247.89
VT Gas Systems	-173.56
W.B. Mason	-34.86
TOTAL	-191,356.80

Payments

December 2025

	<u>Dec 25</u>
All Cycle - Highgate Transfer	-11,959.33
Amazon.com	-80.12
Blair's Trucking - vendor	-800.00
Blue Cross and Blue Shield of VT	-22,265.40
Bobby T's Commercial Cleaning Services	-900.00
Bourne's Energy	-45.79
Casella-Hyde Park Transfer Station	-2,198.08
Chittenden Solid Waste District	-1,298.70
Comcast Business	-136.44
Consolidated Communications	-93.87
Core, George	-47.60
Drummac Wind River Environmental	-1,400.00
Duprey, Jeff	-28.73
Enpro Services of Vermont, Inc *	-5,051.85
Foley Services	-37.11
Franklin County NY Landfill	-1,153.45
Front Porch Forum	-1,374.00
FW Webb Company	-111.76
G & E Extinguishers	-131.00
Gardner, Michael	-100.00
Georgia Auto Parts	-253.81
Good Point	-3,351.96
Green Mountain Power	-1,474.41
Hannaford	-124.88
Hudak Farms	-9,851.00
Interstate Refrigerant Recovery, Inc	-414.00
Island Bargain Barn	-24.21
Kaseweter, Mikhala	-216.31
Lucky's Truck & Trailer Sales, Inc.	-3,932.91
Madison National Life	-282.17
Maple, Tim	-238.90
Maplefields	-27.00
McRae Truck & Auto	-812.50
Miller, Tony	-61.60
Mimmo's Pizzeria & Restaurant	-84.79
Minuteman Press	-631.76
Misc	-14,387.81
Myers Recycling Center	-1,017.83
New England Kenworth	-384.16
Northeast Delta Dental	-1,045.24
Ooma Inc	-223.16
PayData	-66,937.53
Pfeil Sawmill	-360.00
Queen City Steel	-400.00
R.L. Vallee, Inc.	-4,366.73
Rural Solutions	-1,524.96
Sheldon, Vendor	-46.61
Sleep Well Recycling	-5,546.70
Trash Flow	-100.00
Underwood, Todd	-16.80
Verizon	-83.99
Vermont Electric Coop	-205.12
VT Gas Systems	-537.30
Willey's Seamless Gutters Inc	-750.00
TOTAL	<u>-168,929.38</u>

Payments

January 2025

	Jan 25
Ace Hardware	-25.67
Adobe Systems Inc.	-13.77
All Cycle - Highgate Transfer	-10,974.12
Allegiance/Clarks Truck Center	-62.54
Alpine Web Media LLC	-479.40
Amazon.com	-700.98
Blair's Trucking - vendor	-400.00
Bolster, Pam	-101.57
Bourne's Energy	-32.40
Canva	-119.99
Casella-Hyde Park Transfer Station	-2,657.35
CEJJ, INC.	-281.75
Champlain Door Systems	-175.00
Champlain Valley Equipment	-1,879.32
Chapman, Dale	-447.98
Cintas	-33.54
Cotas Propane Recycling	-54.67
Data Insure	-770.27
Dollar General	-11.87
ebay	-32.78
Facebook	-20.23
Foley Services	-72.08
Franklin County NY Landfill	-1,665.20
Georgia Auto Parts	-270.72
Graziano, Anthony M	-34.84
Green Mountain Power	-813.60
Hathaway, Brent	-7.70
Hudak Farms	-5,766.00
Indeed	-422.48
Infinity Trust VSP	-226.97
Intuit	-1,482.94
J&L Hardware, Inc.	-97.08
K-N-S Tire Recycling	-1,521.00
Kaseweter, Mikhaila	-158.40
King, Butch	-215.74
LiftGateMe	-224.71
Lowe's	0.00
Lucky's Truck & Trailer Sales, Inc.	-1,642.22
Madison National Life	-213.02
Maple, Tim	-128.10
Mimmo's Pizzeria & Restaurant	-78.35
Misc	-10,800.37
Myers Recycling Center	-1,142.70
New Leaf Paper	-41.35
Northeast Delta Dental	-776.53
O'Brien, Matt	-14.00
PayData	-90,719.57
Pfeil Sawmill	-480.00
Plant, Shannon	-23.10
R.L. Vallee, Inc.	-4,242.84
RHR Smith & Company	-4,350.00
Sleep Well Recycling	-540.00
Sticks & Stuff	-91.08
TCI	-439.00
Tractor Supply Co	-95.39
VIS Construction Consultants	-1,900.00
W.B. Mason	-1,003.13
Walmart	-24.01
TOTAL	-150,999.42

	<u>Nov 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Brush Collection	500.00
Total Compost Collection	500.00
Computer/Electronic Recy Income	341.20
Recycling Income	1,055.00
Sale of Recyclables	747.45
Trash Income	12,752.00
Total Income	15,395.65
Gross Profit	15,395.65
Expense	
Administration Expenses	
Utilities	
Telephone	93.87
Utilities - Other	244.83
Total Utilities	338.70
Total Administration Expenses	338.70
Personnel Expenses	
ER Taxes	458.82
Gross Wages	4,705.84
Total Personnel Expenses	5,164.66
Facilities/Equipment Expenses	
Equipment Supplies/Maintenance	65.46
Total Facilities/Equipment Expenses	65.46
Direct Services	
Trash Disposal	5,217.02
Drop Off Site Expenses	571.76
Recycling	934.20
Total Direct Services	6,722.98
Total Expense	12,291.80
Net Ordinary Income	3,103.85
Net Income	<u><u>3,103.85</u></u>

Northwest Vermont Solid Waste Mgt District
Alburgh Profit & Loss
December 2025

	Dec 25
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	0.00
Recycling Income	606.00
Sale of Recyclables	668.15
Trash Income	10,944.00
Total Income	12,218.15
Gross Profit	12,218.15
Expense	
Administration Expenses	
Utilities	
Telephone	93.74
Utilities - Other	299.54
Total Utilities	393.28
Total Administration Expenses	393.28
Personnel Expenses	
ER Taxes	449.56
Gross Wages	4,610.90
Total Personnel Expenses	5,060.46
Facilities/Equipment Expenses	
Mobile Equipment Fuel	57.68
Total Facilities/Equipment Expenses	57.68
Direct Services	
Trash Disposal	1,831.06
Drop Off Site Expenses	446.93
Recycling	298.80
Total Direct Services	2,576.79
Total Expense	8,088.21
Net Ordinary Income	4,129.94
Net Income	4,129.94

Northwest Vermont Solid Waste Mgt District
Alburgh Profit & Loss
January 2026

	Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Brush Collection	25.00
Total Compost Collection	25.00
Recycling Income	497.00
Trash Income	8,852.00
Total Income	9,374.00
Gross Profit	9,374.00
Expense	
Administration Expenses	
Utilities	
Telephone	93.63
Utilities - Other	522.02
Total Utilities	615.65
Total Administration Expenses	615.65
Personnel Expenses	
ER Taxes	470.08
Gross Wages	4,821.32
Total Personnel Expenses	5,291.40
Facilities/Equipment Expenses	
Equipment Supplies/Maintenance	46.87
Total Facilities/Equipment Expenses	46.87
Direct Services	
Trash Disposal	1,152.31
Drop Off Site Expenses	164.40
Total Direct Services	1,316.71
Total Expense	7,270.63
Net Ordinary Income	2,103.37
Net Income	2,103.37

Bakersfield Profit & Loss

November 2025

	<u>Nov 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	45.00
Sale of Recyclables	138.97
Trash Income	4,414.00
Total Income	4,597.97
Gross Profit	4,597.97
Expense	
Personnel Expenses	
ER Taxes	50.76
Gross Wages	520.80
Total Personnel Expenses	571.56
Direct Services	
Trash Disposal	1,152.70
Drop Off Site Expenses	103.13
Recycling	291.10
Computer/Electronic Collection	142.56
Total Direct Services	1,689.49
Total Expense	2,261.05
Net Ordinary Income	2,336.92
Net Income	<u>2,336.92</u>

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
December 2025

02/02/26

Accrual Basis

	<u>Dec 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	3.00
Sale of Recyclables	167.09
Trash Income	3,572.00
Total Income	<u>3,742.09</u>
Gross Profit	3,742.09
Expense	
Personnel Expenses	
ER Taxes	50.76
Gross Wages	520.80
Total Personnel Expenses	571.56
Direct Services	
Trash Disposal	1,089.66
Drop Off Site Expenses	152.03
Recycling	285.22
Total Direct Services	<u>1,526.91</u>
Total Expense	<u>2,098.47</u>
Net Ordinary Income	<u>1,643.62</u>
Net Income	<u><u>1,643.62</u></u>

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
January 2026

	<u>Jan 26</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	4.00
Trash Income	2,978.00
Total Income	<u>2,982.00</u>
Gross Profit	2,982.00
Expense	
Personnel Expenses	
ER Taxes	50.76
Gross Wages	520.80
Total Personnel Expenses	571.56
Direct Services	
Trash Disposal	584.07
Drop Off Site Expenses	38.06
Recycling	163.19
Computer/Electronic Collection	86.24
Total Direct Services	<u>871.56</u>
Total Expense	<u>1,443.12</u>
Net Ordinary Income	1,538.88
Net Income	<u><u>1,538.88</u></u>

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
November 2025

	Nov 25
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	1,311.82
Haz Waste Fees	1,146.30
Miscellaneous Income	0.50
Recycling Income	8,184.91
Sale of Recyclables	1,291.62
Trash Income	17,945.00
Total Income	29,880.15
Gross Profit	29,880.15
Expense	
Personnel Expenses	
ER Taxes	847.46
Gross Wages	8,691.92
Total Personnel Expenses	9,539.38
Facilities/Equipment Expenses	
Building Improvements	344.06
Total Facilities/Equipment Expenses	344.06
Direct Services	
Trash Disposal	5,031.12
Drop Off Site Expenses	131.72
Recycling	6,907.83
Computer/Electronic Collection	1,006.76
Total Direct Services	13,077.43
Total Expense	22,960.87
Net Ordinary Income	6,919.28
Net Income	6,919.28

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
December 2025

	Dec 25
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	167.00
Haz Waste Fees	556.50
Miscellaneous Income	201.00
Recycling Income	11,086.60
Sale of Recyclables	1,013.80
Trash Income	16,158.00
Total Income	29,182.90
Gross Profit	29,182.90
Expense	
Personnel Expenses	
ER Taxes	895.06
Gross Wages	9,180.03
Total Personnel Expenses	10,075.09
Direct Services	
Trash Disposal	3,387.82
Drop Off Site Expenses	1,353.64
Recycling	4,415.12
Total Direct Services	9,156.58
Total Expense	19,231.67
Net Ordinary Income	9,951.23
Net Income	9,951.23

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
January 2026

	<u>Jan 26</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	789.62
Haz Waste Fees	2,620.50
Recycling Income	3,753.00
Sale of Recyclables	223.20
Trash Income	13,414.00
	<hr/>
Total Income	20,800.32
Gross Profit	20,800.32
Expense	
Personnel Expenses	
ER Taxes	861.17
Gross Wages	8,832.42
	<hr/>
Total Personnel Expenses	9,693.59
Facilities/Equipment Expenses	
Plowing/Mowing	5,300.00
	<hr/>
Total Facilities/Equipment Expenses	5,300.00
Direct Services	
Trash Disposal	3,690.83
Drop Off Site Expenses	218.46
Recycling	2,642.73
Computer/Electronic Collection	649.60
	<hr/>
Total Direct Services	7,201.62
	<hr/>
Total Expense	22,195.21
Net Ordinary Income	-1,394.89
Net Income	<u><u>-1,394.89</u></u>

Northwest Vermont Solid Waste Mgt District
Montgomery Profit & Loss
November 2025

	Nov 25
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	119.58
Haz Waste Fees	0.00
Recycling Income	650.00
Sale of Recyclables	257.03
Trash Income	5,894.00
Total Income	6,920.61
Gross Profit	6,920.61
Expense	
Administration Expenses	
Utilities	39.38
Total Administration Expenses	39.38
Personnel Expenses	
ER Taxes	130.72
Gross Wages	1,340.72
Total Personnel Expenses	1,471.44
Direct Services	
Trash Disposal	1,340.54
Drop Off Site Expenses	122.03
Recycling	302.60
Computer/Electronic Collection	118.40
Total Direct Services	1,883.57
Total Expense	3,394.39
Net Ordinary Income	3,526.22
Net Income	3,526.22

Montgomery Profit & Loss

December 2025

	<u>Dec 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	15.00
Haz Waste Fees	5.00
Recycling Income	118.00
Sale of Recyclables	349.68
Trash Income	4,879.00
Total Income	<u>5,366.68</u>
Gross Profit	5,366.68
Expense	
Personnel Expenses	
ER Taxes	121.06
Gross Wages	1,241.68
Total Personnel Expenses	1,362.74
Direct Services	
Trash Disposal	1,332.82
Drop Off Site Expenses	152.03
Recycling	177.89
Total Direct Services	<u>1,662.74</u>
Total Expense	<u>3,025.48</u>
Net Ordinary Income	<u>2,341.20</u>
Net Income	<u><u>2,341.20</u></u>

Northwest Vermont Solid Waste Mgt District
Montgomery Profit & Loss
January 2026

	<u>Jan 26</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	7.00
Recycling Income	17.00
Trash Income	3,883.00
Total Income	<u>3,907.00</u>
Gross Profit	3,907.00
Expense	
Personnel Expenses	
ER Taxes	120.97
Gross Wages	1,240.76
Total Personnel Expenses	1,361.73
Direct Services	
Trash Disposal	563.49
Drop Off Site Expenses	17.75
Recycling	198.48
Computer/Electronic Collection	59.84
Total Direct Services	<u>839.56</u>
Total Expense	<u>2,201.29</u>
Net Ordinary Income	1,705.71
Net Income	<u><u>1,705.71</u></u>

	<u>Nov 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Brush Collection	190.00
Total Compost Collection	190.00
Computer/Electronic Recy Income	178.84
Haz Waste Fees	0.00
Recycling Income	1,294.00
Sale of Recyclables	142.80
Trash Income	4,027.00
Total Income	5,832.64
Gross Profit	5,832.64
Expense	
Personnel Expenses	
ER Taxes	121.28
Gross Wages	1,243.84
Total Personnel Expenses	1,365.12
Direct Services	
Trash Disposal	1,143.70
Drop Off Site Expenses	262.31
Recycling	161.10
Computer/Electronic Collection	154.24
Total Direct Services	1,721.35
Total Expense	3,086.47
Net Ordinary Income	2,746.17
Net Income	<u>2,746.17</u>

	<u>Dec 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	10.00
Haz Waste Fees	15.00
Recycling Income	209.00
Sale of Recyclables	177.35
Trash Income	2,736.00
Total Income	<u>3,147.35</u>
Gross Profit	3,147.35
Expense	
Personnel Expenses	
ER Taxes	107.27
Gross Wages	1,100.08
Total Personnel Expenses	1,207.35
Direct Services	
Trash Disposal	758.48
Drop Off Site Expenses	250.59
Recycling	107.10
Total Direct Services	<u>1,116.17</u>
Total Expense	<u>2,323.52</u>
Net Ordinary Income	823.83
Net Income	<u><u>823.83</u></u>

	<u>Jan 26</u>
Ordinary Income/Expense	
Income	
Computer/Electronic Recy Income	0.00
Haz Waste Fees	0.00
Recycling Income	140.00
Trash Income	2,042.00
Recycle Bin Sales	1.00
Total Income	<u>2,183.00</u>
Cost of Goods Sold	
Cost of Goods Sold	6.76
Total COGS	<u>6.76</u>
Gross Profit	2,176.24
Expense	
Personnel Expenses	
ER Taxes	113.86
Gross Wages	1,167.71
Total Personnel Expenses	<u>1,281.57</u>
Direct Services	
Trash Disposal	668.72
Drop Off Site Expenses	30.37
Computer/Electronic Collection	90.56
Total Direct Services	<u>789.65</u>
Total Expense	<u>2,071.22</u>
Net Ordinary Income	<u>105.02</u>
Net Income	<u><u>105.02</u></u>

	<u>Nov 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Sale of Recyclables	103.70
Trash Income	4,721.00
Total Income	4,824.70
Gross Profit	4,824.70
Expense	
Personnel Expenses	
ER Taxes	37.76
Gross Wages	387.12
Total Personnel Expenses	424.88
Direct Services	
Trash Disposal	1,057.60
Drop Off Site Expenses	103.13
Recycling	165.60
Total Direct Services	1,326.33
Total Expense	1,751.21
Net Ordinary Income	3,073.49
Net Income	<u>3,073.49</u>

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
December 2025

	<u>Dec 25</u>
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Sale of Recyclables	125.06
Trash Income	4,598.00
Total Income	4,723.06
Gross Profit	4,723.06
Expense	
Personnel Expenses	
ER Taxes	37.76
Gross Wages	387.12
Total Personnel Expenses	424.88
Direct Services	
Trash Disposal	533.83
Drop Off Site Expenses	180.77
Recycling	258.30
Total Direct Services	972.90
Total Expense	1,397.78
Net Ordinary Income	3,325.28
Net Income	<u><u>3,325.28</u></u>

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
January 2026

	<u>Jan 26</u>
Ordinary Income/Expense	
Income	
Trash Income	3,367.00
Total Income	<u>3,367.00</u>
Gross Profit	3,367.00
Expense	
Personnel Expenses	
ER Taxes	37.76
Gross Wages	387.12
Total Personnel Expenses	<u>424.88</u>
Direct Services	
Trash Disposal	1,116.44
Drop Off Site Expenses	8.33
Total Direct Services	<u>1,124.77</u>
Total Expense	<u>1,549.65</u>
Net Ordinary Income	<u>1,817.35</u>
Net Income	<u><u>1,817.35</u></u>

Northwest Vermont Solid Waste Mgt District
Alburgh Profit & Loss
July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Brush Collection	3,278.00
	3,278.00
Total Compost Collection	3,278.00
Computer/Electronic Recy Income	857.80
Recycling Income	8,050.00
Sale of Recyclables	4,959.99
Trash Income	108,474.00
	125,619.79
Total Income	125,619.79
Gross Profit	125,619.79
Expense	
Administration Expenses	
Bank Service Charges	
Credit Card Processing	318.82
	318.82
Total Bank Service Charges	318.82
Utilities	
Telephone	654.47
Utilities - Other	1,736.45
	2,390.92
Total Utilities	2,390.92
Total Administration Expenses	2,709.74
Personnel Expenses	
ER Taxes	3,294.69
Gross Wages	33,791.22
	37,085.91
Total Personnel Expenses	37,085.91
Facilities/Equipment Expenses	
Mobile Equipment Maint/Repairs	12.74
Building Maintenance / Repairs	43.93
Equipment Supplies/Maintenance	2,128.75
Mobile Equipment Fuel	57.68
	2,243.10
Total Facilities/Equipment Expenses	2,243.10
Direct Services	
Trash Disposal	35,651.97
Drop Off Site Expenses	3,096.83
Composting	
Brush Collection	1,620.00
	1,620.00
Total Composting	1,620.00
Recycling	10,218.10
Hazardous Waste	20.00
	50,606.90
Total Direct Services	50,606.90
Total Expense	92,645.65
Net Ordinary Income	32,974.14
Net Income	32,974.14

Northwest Vermont Solid Waste Mgt District
Bakersfield Profit & Loss
 July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	378.83
Sale of Recyclables	1,293.85
Trash Income	24,916.00
Total Income	26,588.68
Gross Profit	26,588.68
Expense	
Personnel Expenses	
ER Taxes	391.59
Gross Wages	4,017.60
Total Personnel Expenses	4,409.19
Direct Services	
Trash Disposal	7,558.19
Drop Off Site Expenses	776.94
Recycling	1,774.53
Computer/Electronic Collection	228.80
Total Direct Services	10,338.46
Total Expense	14,747.65
Net Ordinary Income	11,841.03
Net Income	11,841.03

Northwest Vermont Solid Waste Mgt District
Georgia Drop Off Site Profit & Loss
 July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	8,153.46
Haz Waste Fees	12,318.10
Miscellaneous Income	207.00
Recycling Income	71,251.16
Sale of Recyclables	10,967.52
Trash Income	130,176.69
Total Income	233,073.93
Gross Profit	233,073.93
Expense	
Personnel Expenses	
ER Taxes	6,761.75
Gross Wages	69,350.96
Total Personnel Expenses	76,112.71
Facilities/Equipment Expenses	
Building Improvements	344.06
Building Maintenance / Repairs	43.95
Plowing/Mowing	5,300.00
Warehouse Supplies	29.66
Total Facilities/Equipment Expenses	5,717.67
Direct Services	
Trash Disposal	39,206.42
Drop Off Site Expenses	3,879.28
Recycling	47,025.03
Computer/Electronic Collection	1,845.28
Hazardous Waste	621.74
Total Direct Services	92,577.75
Total Expense	174,408.13
Net Ordinary Income	58,665.80
Net Income	58,665.80

Northwest Vermont Solid Waste Mgt District
Montgomery Profit & Loss
 July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Computer/Electronic Recy Income	336.62
Haz Waste Fees	5.00
Recycling Income	3,022.00
Sale of Recyclables	3,201.89
Trash Income	39,041.00
Total Income	45,606.51
Gross Profit	45,606.51
Expense	
Administration Expenses	
Utilities	140.47
Total Administration Expenses	140.47
Personnel Expenses	
ER Taxes	932.46
Gross Wages	9,563.88
Total Personnel Expenses	10,496.34
Direct Services	
Trash Disposal	9,100.88
Drop Off Site Expenses	707.12
Recycling	3,791.21
Computer/Electronic Collection	178.24
Hazardous Waste	20.00
Total Direct Services	13,797.45
Total Expense	24,434.26
Net Ordinary Income	21,172.25
Net Income	21,172.25

Northwest Vermont Solid Waste Mgt District

No. Hero Profit & Loss

July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Brush Collection	570.00
Total Compost Collection	570.00
Computer/Electronic Recy Income	438.97
Haz Waste Fees	26.00
Recycling Income	7,317.50
Sale of Recyclables	2,247.73
Trash Income	29,582.00
Recycle Bin Sales	1.00
Total Income	40,183.20
Cost of Goods Sold	
Cost of Goods Sold	6.76
Total COGS	6.76
Gross Profit	40,176.44
Expense	
Personnel Expenses	
ER Taxes	834.85
Gross Wages	8,561.91
Total Personnel Expenses	9,396.76
Direct Services	
Trash Disposal	10,267.94
Drop Off Site Expenses	1,376.79
Recycling	4,785.34
Computer/Electronic Collection	244.80
Hazardous Waste	20.00
Total Direct Services	16,694.87
Total Expense	26,091.63
Net Ordinary Income	14,084.81
Net Income	<u>14,084.81</u>

Northwest Vermont Solid Waste Mgt District
St. Albans Profit & Loss
July 2025 through January 2026

	Jul '25 - Jan 26
Ordinary Income/Expense	
Income	
Compost Collection	
Commercial Route Compost	0.00
Total Compost Collection	0.00
Recycling Income	5.00
Sale of Recyclables	967.36
Trash Income	30,717.50
Total Income	31,689.86
Gross Profit	31,689.86
Expense	
Personnel Expenses	
ER Taxes	285.61
Gross Wages	2,928.12
Total Personnel Expenses	3,213.73
Direct Services	
Trash Disposal	7,091.84
Drop Off Site Expenses	799.11
Recycling	1,128.30
Hazardous Waste	20.00
Total Direct Services	9,039.25
Total Expense	12,252.98
Net Ordinary Income	19,436.88
Net Income	19,436.88



Agency of Natural Resources
 Waste Management & Pollution Prevention Division
 One National Life Drive, Davis 1 Bldg., Montpelier, VT 05620-3704
 802-828-1138 FAX: 802-828-1011

CATEGORICAL DISPOSAL CERTIFICATION APPLICATION FORM
 March 6, 2006, October 30, 2013, revised August 22, 2022

Please print all information requested in sections 1-5 of this form.

1. Facility, Facility Owner, Operator, and Contact Person Information

A.	Facility Name:	Hard'ack Recreational Area
	Facility 911 Address:	214 Hard'ack Drive Saint Albans City, VT 05478
	Telephone:	802-524-1500
B.	Facility Owner:	City of Saint Albans
	Mailing Address:	100 North Main Street, Saint Albans City, VT 05478
	Email:	c.sawyer@stalbansvt.com
	Telephone:	802-524-1500
C.	Facility Operator:	City of Saint Albans
	Mailing Address:	100 North Main Street, Saint Albans City, VT 05478
	Email:	c.sawyer@stalbansvt.com
	Telephone:	802-524-1500
D.	Landowner:	City of Saint Albans
	Mailing Address:	100 North Main Street, Saint Albans City, VT 05478
	Email:	c.sawyer@stalbansvt.com
	Telephone:	802-524-1500

2. Type and quantity of wastes accepted for disposal:

Fill in the estimated amounts per year for each waste type accepted by the facility.

	Type	Amount (tons/year)
a.	Stumps, brush and untreated wood (banned after July 1, 2016)	
b.	Bituminous concrete	
c.	Rinsed non-recyclable glass	
d.	Concrete, masonry, mortar, porcelain, pottery tile, and clay pipe	
e.	Street sweepings	
f.	Car wash grit and municipal separated storm sewer catch basin grit	
g.	Three tons per year (dry weight) or less of dead animal carcasses	
h.	Dead wildlife disposal pits or burials established by the Vermont Department of Fish and Wildlife	
i.	Development Soil	75,000

3. Days and Hours of Facility Operation

Days: Monday - Saturday	Hours: 7:00am-5:00pm
Days:	Hours:
Days:	Hours:
Days:	Hours:
Days:	Hours:

4. Application Fee


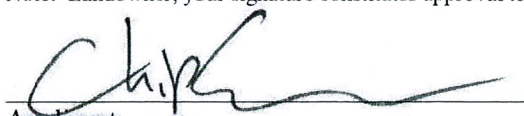
In accordance with 3 V.S.A. 2822(j)(6)(D), categorical disposal applications are subject to a \$100 application fee. Please attach the application fee to this application form.

ATTACHMENTS

The following information must be included with this application form:

- a. A site location map with the location of the facility clearly shown.
- b. A site diagram showing the following features:
 - 1. facility size and the limits on its development;
 - 3. location of and the distance to public highways and property lines;
 - 4. location and distance to Class B waters;
 - 5. the location of the source isolation zone and the distance to the source of a public water supply;
 - 6. the location of any source protection area.
 - 7. location of and distance to a private water supply
- c. Information which demonstrates that the facility is not located in the following areas:
 - 1. class I or II groundwater areas;
 - 2. watershed for class A waters; and,
 - 3. in a floodway or in a 100-year flood plain;
- d. Information which demonstrates compliance with the requirements for Class I, II, and III wetlands and their associated buffers;
- e. A description of proposed activities and operations, including a Facility Management Plan that addresses proper operation and development of the facility in accordance with Subchapter 10 of the Rules
- f. Evidence from the appropriate planning entity that the facility is either acceptable or is included in the solid waste implementation plan, if any;
- g. A copy of the Notice of Application to the Municipality.

SIGNATURES

	November 20, 2025
_____ Landowner	_____ Date
Note: Landowner, your signature constitutes approval to use this site for the categorical disposal facility	
	November 20, 2025
_____ Applicant	_____ Date

FACILITY MANAGEMENT PLAN

Hard'ack Recreational Area CDF

214 Hard'ack Drive
Saint Albans City, Vermont 05478

Prepared for:



City of St. Albans
100 North Main Street
Saint Albans City, VT 05478

Prepared by:



231 South Union Street, Suite 201
Burlington, Vermont 05401
802-860-9400
www.waiteenv.com

TABLE OF CONTENTS

Section	Page
1.0 FACILITY IDENTIFICATION AND SERVICE AREA.....	1
2.0 ACCEPTABLE & UNACCEPTABLE WASTE TYPES	1
2.1 ACCEPTABLE MATERIALS AND ANTICIPATED TONNAGE.....	1
2.2 UNACCEPTABLE WASTES	1
3.0 ROUTINE OPERATIONS	2
3.1 HOURS OF OPERATION.....	2
3.2 ACCESS CONTROL	2
3.3 TRAFFIC PATTERNS	2
3.4 METHOD FOR TRACKING WASTE QUANTITIES.....	2
3.5 PHASED DEVELOPMENT.....	3
3.6 STORMWATER MANAGEMENT	3
3.7 FILLING PROCEDURES.....	3
3.8 DAILY AND INTERMEDIATE COVER	3
3.9 WINTER OPERATIONS	4
3.10 PERSONNEL AND EQUIPMENT	4
3.11 ACCIDENT PREVENTION AND SAFETY	4
3.12 ODOR CONTROL	5
3.13 DUST CONTROL.....	5
3.14 VECTOR CONTROL	5
4.0 WASTE INSPECTION	5
5.0 RESIDENTIAL DROP-OFF	5
6.0 FACILITY MAINTENANCE, INSPECTION, & REPORTING.....	5
7.0 GROUNDWATER MONITORING	5
8.0 RECORDKEEPING.....	6
9.0 EMERGENCY PROCEDURES	6
9.1 SEVERE STORM.....	6
9.2 FIRE PREVENTION.....	6
9.3 POST EARTHQUAKE INSPECTIONS.....	6

FACILITY MANAGEMENT PLAN

1.0 FACILITY IDENTIFICATION AND SERVICE AREA

This Facility Management Plan provides information for site staff to become familiar with to properly manage the Hard'ack Recreational Area (HRA) Development Soil Categorical Disposal Facility located at 214 Hard'ack Drive in Saint Albans, Vermont. The facility is owned and operated by the City of Saint Albans (the "City").

The Facility mailing address is:

**City of Saint Albans
100 North Main Street
Saint Albans City, VT 05478
Phone: 802-524-1500 Fax: 802-524-1505**

The Facility physical address is:

**Hard'ack Recreational Area CDF
214 Hard'ack Drive
Saint Albans City, VT 05478**

The disposal Facility is in the process of being designed and certified in accordance with the Vermont Agency of Natural Resources *Solid Waste Management Rules* (effective October 31, 2020).

2.0 ACCEPTABLE & UNACCEPTABLE WASTE TYPES

2.1 Acceptable Materials and Anticipated Tonnage

Only clean fill and "Development Soils" may be accepted at the Facility. Development Soils are defined in the Vermont Agency of Natural Resources Investigation and Remediation of Contaminated Properties Rule (effective February 23, 2024) as "...unconsolidated mineral and organic matter overlying bedrock that is contaminated solely by polycyclic aromatic hydrocarbons (PAHs), arsenic, or lead at concentrations which exceed Vermont Soil Standards and are not hazardous waste."

These wastes may be accepted at a rate not to exceed 1,500 tons (1,000 CY) per day. This amount may be increased with an approved administrative amendment to the operating certification of the Facility by SWMP.

2.2 Unacceptable Wastes

All other wastes are considered unacceptable with the exception of clean soils that do not require regulatory oversight and may be used to cap Development Soils.

3.0 ROUTINE OPERATIONS

3.1 Hours of Operation

The Facility may accept waste ("Gate Hours") for disposal from 7:00 a.m. to 5:00 p.m. Monday through Saturday. The Facility does not need to remain open at times that Development Soils are not being generated by the City. The facility may be closed on Sundays and holidays. The facility may modify the gate days/hours of operation at its discretion as long as it is within the days and times referenced above.

Routine facility operational tasks such as inspections, meetings, maintenance, and repairs may be conducted as needed.

3.2 Access Control

Access to the facility is restricted by a gate located on Hard'ack Drive. Fencing may be erected around the facility to further restrict access. Natural barriers preclude access along the north, east, and west sides of the property. A sign or signs are posted at the facility entrance area indicating:

1. The facility name;
2. The name, address, and telephone number of the permittee;
3. The hours of operation; and
4. A list of Prohibited wastes.

The main entrance gate will be closed after the posted gate hours. An automated gate allows vehicles from inside the facility to exit the facility beyond gate hours. The Facility is only for use by the City.

3.3 Traffic Patterns

Once into the site, soil hauling vehicles proceed along the facility roadways until they arrive at the entrance point to the actual disposal area of the facility. As development proceeds, signs may be placed along the access road to indicate where hauling vehicles should travel.

Trucks entering the site in the early a.m. hours and prior to the facility officially being open for the day may enter the facility and park where they will wait for the facility to open.

3.4 Method for Tracking Waste Quantities

All waste hauling vehicles entering the Facility are recorded to track the cumulative volume of Development Soil accepted by the Facility. All drivers are required to sign a statement indicating that no hazardous wastes are present on their truck. Records will include the following information: site generating Development Soil, quantity, and name of hauler. Records will be maintained by the City onsite for five (5) years.

3.5 Phased Development

One of the main objectives of the design and development of the disposal facility is to maximize the ability of the Facility to support future recreational fields. Once permitted, the factors on where and how Development Soil is placed will include the volume of Development Soils accepted, development cost, construction timeframe, and community needs.

As the Facility fills to the permitted final grade for the recreational fields, Final Capping will occur. Final Capping will consist of the placement of a notification barrier on top of Development Soil, then at least 18" of clean soil and/or other media on top of Development Soil and notification barrier. This will be followed by mulching/seeding or turfing to promote the growth of a competent vegetative layer conducive to recreational fields.

Following final construction of the recreational fields, the City will conduct an annual visual survey to evaluate ground settling, drainage, or other long-term design considerations.

3.6 Stormwater Management

Stormwater management practices will be conducted in accordance with the facility's Multi-Sector General Stormwater Permit, Construction General Permit and the Stormwater Discharge Permit.

Temporary rain covers (poly, tarps, synthetic membranes, etc.) used to divert precipitation from Development Soil stockpiles may be utilized when appropriate. Silt fencing around stockpiles will be maintained at all times piles are in existence. Any stormwater run-off diverted beyond the footprint of the Development Soil stockpiles will be managed by the natural topography of the Site.

3.7 Filling Procedures

The filling procedures described below will be typically followed during disposal of Development Soils. Haulers will be operating under the oversight and specific contract terms of each City project. Hauling will be overseen by the City's contracted engineer and/or qualified environmental professional (QEP). Haulers will coordinate directly with the City ahead of time to schedule access to the Facility. Once at the Facility, Haulers should follow the instructions of Facility staff and posted signage that will direct them to the disposal area. Facility staff will ensure proper placement of Development Soil and that no unauthorized wastes are deposited.

3.8 Daily and Intermediate Cover

Daily cover consisting of poly sheeting (6-mil or greater) may be placed over the Development Soil stockpiles if weather conditions necessitate (i.e., precipitation, high wind, etc.) during active operations. If the Facility is anticipated to remain open but be dormant for a period of two or months, 12" of clean cover soil should be placed over Development Soil stockpiles.

At a minimum, at least once per year Development Soil stockpiles will be covered with a 12" layer of clean earthen or other material capable of sustaining grassy vegetation. The cover shall be graded in a manner to promote runoff.

3.9 Winter Operations

Facility staff may perform routine duties to maintain the safety and integrity of the Facility. Snow may be plowed using conventional plowing methods. Roadways will be sanded accordingly to make access safe. The Facility management reserves the right to close the Facility in severe weather elements.

3.10 Personnel and Equipment

Category	Units (# of Personnel or Vehicles)
Onsite Staffing	
Operations Supervisor / Laborer	1
On-Call Staffing	
Environmental Technician	1
Onsite Equipment	
Bobcat	1
Triaxle Vehicle(s)	1-2

Note, that each number represented in the “Onsite Staffing” section reflects the number of personnel that would be on site each operating day, unless otherwise noted. The “Onsite Equipment” section represents the amount of equipment expected to be necessary to manage the respective tonnage each day. The “On-Call Staffing” refers to the QEP that will have on-call availability to assist the City and Facility staff with any environmental review, oversight, testing, or management activities.

Other Key personnel are as follows:

City of St. Albans Director of Operations: Martin Manahan; 802-309-1134

City of St. Albans Director of Planning & Development: Chip Sawyer; 802-524-1500 x259

Qualified Environmental Professional: Chandler Noyes; 802-373-7061

The City will provide training to employees that is necessary to educate the person to properly perform the duties of his/her position. At least one (1) person onsite will have OSHA 24-hour Hazardous Waste Operations and Emergency Response training. Haulers, QEPs, or other contractors should have relevant 24-hour or 40-hour OSHA training. Equipment maintenance, or replacement is a common occurrence and back up equipment will available if necessary. Routine equipment maintenance will be performed as necessary to keep the equipment in good operating condition.

3.11 Accident Prevention and Safety

A Health and Safety Plan (HASP) shall be maintained onsite and electronically. As part of this HASP, employees will be trained in proper operating and emergency procedures. Telephone and radio communication and first aid equipment is provided at onsite facilities as well as onsite equipment. Regular safety meetings will be held at the facility. Any accidents shall be documented and reported to the City Director of Operations.

3.12 Odor Control

Given the limited range of waste accepted (Development Soil only), odor is not considered an issue.

3.13 Dust Control

Dust control procedures will include proper maintenance of Development Soil stockpiles, vegetated areas, and service roads. This maintenance will include temporary covering of Development Soil stockpiles during anticipated high-wind events and re-seeding areas where lack of vegetation is causing dust. Dust control is required to minimize off site nuisance.

3.14 Vector Control

Given the limited range of waste accepted (Development Soil only), pathogens carried outside of the facility by mammals or insects are not considered an issue.

4.0 WASTE INSPECTION

Waste Inspection is intended to ensure that to the extent practicable only acceptable wastes are disposed at this facility. All waste will be inspected prior to being brought to the Facility, through an approved Soil Management Plan (SMP) or Corrective Action Plan (CAP), to ensure that only Development Soil is brought to the Facility.

5.0 RESIDENTIAL DROP-OFF

Residential disposal is prohibited. The Facility is only for use by the City.

6.0 FACILITY MAINTENANCE, INSPECTION, & REPORTING

Service roads will be graded or swept when necessary and maintained in a serviceable condition at all times. Facility building/structures will be maintained as required.

Inspections of the facility will be performed by staff periodically. For items that are identified as requiring attention, inspectors will notify the Facility manager of the problem and detail potential corrective actions. All outstanding items will be resolved as soon as practicable.

The Facility shall maintain records of waste source, waste type (Development Soil), and waste quantity. The data shall be reported to the Secretary on a quarterly basis and will include generating site work per § 6-1006(a)(3)(A).

7.0 GROUNDWATER MONITORING

The Facility will only accept Development Soil being managed under an approved SMP or CAP. One of the requirements of these plans is appropriate analytical testing to ensure Development Soils are relatively inert. As such, no groundwater monitoring is proposed for the Facility.

8.0 RECORDKEEPING

The following records will be kept at the facility:

- Permit Binder;
- Construction as-built drawings;
- This Facility Management Plan;
- A daily record will be maintained onsite with the following information: site generating Development Soil, quantity, and name of hauler.

9.0 EMERGENCY PROCEDURES

9.1 Severe Storm

In the event of a severe storm, Facility staff will evaluate and determine early closure of the facility is warranted.

9.2 Fire Prevention

Fire protection controls onsite consist of fire extinguishers maintained in the equipment and onsite structures. The St. Albans Fire Department is located 1.7 miles from the Facility and will be contacted in the event of a fire at the facility.

9.3 Post Earthquake Inspections

Should an earthquake occur of sufficient magnitude to potentially cause damage, a post-earthquake inspection of the system will be performed.

The inspection will include confirming the integrity of the following:

1. Facility structures;
2. Facility fencing;
3. Soil stockpiles



November 19, 2025

City of Saint Albans
Attn: Chip Sawyer
100 North Main Street
Saint Albans City, VT 05478
Sent via email: c.sawyer@stablansvt.com

RE: Site Characterization Report for Categorical Disposal Facility Permitting
Hard'ack Recreational Area, Saint Albans, VT

Dear Chip:

Waite-Heindel Environmental Management (WHEM) is pleased to present this *Site Characterization Report for Categorical Disposal Facility Permitting* for the City-owned Hard'ack Recreational Area (Hard'ack). We have prepared this *Site Characterization Report* (SCR) to provide the necessary environmental information on Hard'ack and the surrounding area in support of the application for use of Hard'ack as a Categorical Disposal Facility (CDF) of Development Soils per §6-1002(a) of the Vermont Solid Waste Management Rules (VSWMR).

The SCR includes general information on the setting of Hard'ack and the surrounding area, as well as detailed information on physical and chemical hydrogeology and potential sensitive receptors, including relevant isolation distances. The SCR also includes the results and discussion of water table elevation measurements collected since May 2025 to track seasonal trends in water table elevation and soil and groundwater sampling to provide data on baseline geochemical conditions prior to potential disposal of Development Soils.

Do not hesitate to contact us at 802-860-9400 (Miles x 101; Chandler x 106), or by email (Miles: mwaite@waiteenv.com; Chandler cnoyes@waiteenv.com) if you have questions or concerns.

Sincerely,

Handwritten signature of Miles Waite in black ink.

Miles Waite, PhD, PG (x101)
Principal Hydrogeologist

Handwritten signature of Chandler Noyes in black ink.

Chandler Noyes, PhD (x106)
Senior Hydrogeologist

Enclosure

cc: Dennis Fekkert, VT DEC Solid Waste Program
Charlie Lawrence, VT DEC Sites Management Section
Monica Ladago, VT DEC Sites Management Section
Kasey Kathan, VT DEC Sites Management Section
Martin Manahan, City of Saint Albans Director of Operations
Jason Booth, Aldrich + Elliot

Site Characterization Report for Categorical Disposal Facility Permitting

Hard'ack Recreational Area

Saint Albans City, Vermont 05478

Prepared for:



SAINT ALBANS
Vermont

City of Saint Albans
Attn: Chip Sawyer
100 North Main Street
Saint Albans City, VT 05478

Prepared by:



231 South Union Street, Suite 201
Burlington, Vermont 05401
802-860-9400
www.waiteenv.com

November 19, 2025

TABLE OF CONTENTS

Section	Page
1.0 INTRODUCTION.....	1
2.0 CONCEPTUAL SITE MODEL	1
2.1 SITE INFORMATION & ABUTTERS	1
2.2 HISTORICAL LAND USE.....	1
2.3 PROPOSED LAND USE	2
2.4 ENVIRONMENTAL TESTING HISTORY, SOURCES, AND CONTAMINANTS	2
2.5 CONTAMINANT FATE AND TRANSPORT	2
2.6 SENSITIVE RECEPTORS.....	3
3.0 SITE CHARACTERIZATION	4
3.1 BEDROCK & SURFICIAL GEOLOGY.....	4
3.2 SOIL CHARACTERIZATION.....	4
3.2.1 Soil Methods	4
3.2.2 Soil Quality	5
3.3 HYDROLOGIC CHARACTERIZATION.....	5
3.3.1 Water Table Elevation & Surface Waters.....	5
3.3.2 Groundwater Quality	6
4.0 ISOLATION DISTANCES.....	6
4.1 SEASONAL HIGH WATER TABLE	6
4.2 BEDROCK.....	7
4.3 WATERWAYS	8
4.4 DRINKING WATER SOURCES	8
4.5 PROPERTY LINE	9
4.6 RESIDENCES, SCHOOLS, DAYCARES, HOSPITALS, & NURSING HOMES	9
5.0 CONCLUSIONS & RECOMMENDATIONS.....	9
6.0 SIGNATURE.....	11

LIST OF APPENDICES

APPENDIX 1: FIGURES

ANR Site Location Map

Existing Site Plan, Sheet C8 (Aldrich + Elliot)

Soil Stockpiling Plan, Sheet C9 (Aldrich + Elliot)

Proposed Final Soil Placement, Sheet C10 (Aldrich + Elliott)

Groundwater Elevation Contour Map (08/13/2025)

ANR Sensitive Receptor Map

APPENDIX 2: TABLES & GRAPHS

Table 1: Piezometer Construction Details

Table 2a: Depth to Groundwater (ft btoc)

Table 2b: Depth to Groundwater (ft bgs)

Table 2c: Groundwater (ft amsl)

Table 3: Groundwater Metals

Table 4: Groundwater VOCs

Table 5: Groundwater SVOCs

Table 6: PAHs, Lead, Arsenic in Soil

Graphs 1–4: Groundwater Elevation, PZ-1 through PZ-4

APPENDIX 3: TEST PIT LOGS

Test Pit Logs, PZ-1 through PZ-4

APPENDIX 4: LABORATORY REPORTS

Soil – Endyne #2505-14637

Groundwater – Endyne #2506-18012

1.0 INTRODUCTION

Waite-Heindel Environmental Management (WHEM) is pleased to present this *Site Characterization Report* for the City-owned Hard'ack Recreational Area ("Hard'ack", "Site", "Subject Property"). We have prepared this Site Characterization Report (SCR) to provide the necessary environmental information on Hard'ack and the surrounding area in support of the application for use of Hard'ack as a Categorical Disposal Facility (CDF) of Development Soils per §6-1002(a) of the Vermont Solid Waste Management Rules (VSWMR).

The SCR includes general information on the setting of Hard'ack and the surrounding area, as well as detailed information on physical and chemical hydrogeology and potential sensitive receptors, including relevant isolation distances. The SCR also includes the results and discussion of ongoing water table elevation measurements collected since May 2025 to track seasonal trends in water table elevation and soil and groundwater sampling to provide data on baseline geochemical conditions prior to potential disposal of Development Soils.

2.0 CONCEPTUAL SITE MODEL

2.1 Site Information & Abutters

The Hard'ack Recreational Area is located in Saint Albans City, Vermont, 05478 (44.81772 °N, 73.06457 °W). Property owner information is listed in the table below:

Owner	ADDRESS	PHONE #	EMAIL
City of Saint Albans Attn: Chip Sawyer	Hard'ack Drive, Saint Albans, VT 05478	802-524-1500 x259	c.sawyer@stalbansvt.com

The Subject Property sits on a 78.3-acre parcel (SPAN 552-174-11237); refer to the Site Location Map in the Attachment. The Site has numerous facilities and amenities including a lodge building, indoor pool building, and recreational fields for sports, walking, biking, etc. Note, the scope of work related to this SCR is currently limited to a ~5.5-acre portion of the second recreational field, ~550 ft north of the lodge and pool buildings.

Based on visual inspection and map review, the abutters to Site property are as follows:

- North: Agricultural fields immediately, Route 105 beyond
- East: Interstate-89 immediately, Agricultural fields beyond
- South: Congress Street immediately, Residential properties beyond
- West: Wooded lots

2.2 Historical Land Use

It is WHEM's understanding based on communications with the City, that the majority of the Subject Property has always been largely undeveloped. In 1962, the parcel was undeveloped and appeared to have been used agriculturally; Interstate-89 is not yet present, having not been

constructed through this section of Vermont until ~1965. A small building and some parking space was constructed on the southern border of the subject property between then and 1978. There appears to be little land use change between 1978 and 2003. Between 2022 and 2023, a small soil pile was constructed in the southwest corner of the recreational field of interest, generated from soils excavated during the creation of the indoor pool building. The portion of the Subject Property that is of interest appears to be undeveloped agricultural and/or recreational fields since at least 1962.

2.3 Proposed Land Use

The intention of this project is to get Hard'ack permitted as a "Categorical Disposal Facility" (CDF) per §6-1002(a) of the Vermont Solid Waste Management Rules (VSWMR), for the disposal of "Development Soils", as defined in the Investigation and Remediation of Contaminated Properties Rule (IRule) § 35-201(11). By receiving a CDF certification, Hard'ack will be able to accept Development Soils anticipated to be generated during earthwork at other nearby City-owned properties during future municipal infrastructure projects. Ultimately, the Development Soils accepted by Hard'ack will then be used to help level the sloping fields at Hard'ack for completion of recreational sports fields. Approximately 5.5 acres of the Subject Property have been identified as a potential location for disposal. Refer to the maps and plans in Appendix 1.

2.4 Environmental Testing History, Sources, and Contaminants

There are no known releases at the Subject Property and WHEM is unaware of any previous environmental investigations conducted at the Site. The closest mapped state-listed hazardous waste site (#2004-3297) is located more than 2,600 ft southwest of the AOI and is not considered to pose a threat to the Subject Property. Note, however, that the entirety of the Subject Property is mapped within a Designated Urban Soil Zone, indicating that Site soils may be impacted by PAHs, Lead, and/or Arsenic at elevated concentrations. Based on the Subject Property's proximity to Interstate-89, it is possible that shallow soils have been impacted by atmospheric deposition of PAHs and Lead. As part of this investigation, representative soil and groundwater samples were collected across the Site. These results are discussed in Sections 3.2 and 3.3 (below).

2.5 Contaminant Fate and Transport

There are no known releases or presence of contamination at the Subject Property. Given the proximity to Interstate-89, it is possible that atmospheric deposition of PAHs and Lead from vehicle emissions has occurred. Atmospheric deposition of these contaminants would generally only impact surface soils, extending to a depth of perhaps ~1–2 ft bgs; it is possible that plowing of the agricultural fields introduced contamination slightly deeper to 2–4 ft bgs. While leaching of COCs via rainwater infiltration is possible, it is considered unlikely at this time due to no evidence of contamination and the clay lithology likely present below the entirety of the Site. As discussed in Section 3.2.2 (below), there is limited contamination of shallow soils by PAHs in one (1) select area at concentrations above the resident standard, but below the applicable standards for the zoning and use of the Subject Property (i.e., Urban Background / Non-Resident).

PAHs are stable organic pollutants generated most often through the incomplete combustion of fossil fuels, such as coal, oil, and petrol. Due to their high melting and boiling point, low vapor pressure, and low aqueous solubility, they often remain in-tact in water and resist oxidation/reduction. When PAHs are released into the atmosphere, they remain in a gaseous phase until they sorb to aerosols and are deposited by either dry or wet deposition. Once deposited, they sorb onto soil particles and can persist in the soil for months to years. Once sorbed to soil, PAHs do not typically mobilize and leach into groundwater. Lead and Arsenic are naturally occurring in soils. However, elevated concentrations are often found in urban environments due to non-native fill material and from atmospheric fallout, or in rural environments from past agricultural practices such as the use of Lead- or Arsenic-based pesticides or herbicides. Like PAHs, once sorbed to soil, Lead and Arsenic do not typically mobilize and leach into groundwater, so groundwater quality is not a significant concern.

2.6 Sensitive Receptors

If contamination were present at the Site, the main route of exposure given current and future planned use would be dermal contact to future Site workers or the general public utilizing the recreational fields. There are no drinking water wells at the Site, with the closest drinking water well located ~900 ft southeast, thus there is no concern for consumption of contaminated drinking water at the Site. There are mapped Class 2 wetlands ~250 ft south and 500 ft east of the AOI, however it is unlikely they would be impacted by the AOI. Note, the ANR Wetlands Advisory Layer does identify two potential areas immediately south of the AOI.

Based on this, the project team commissioned a wetland delineation of the AOI, which identified two small areas of Class II wetlands. The first area is ~40 ft to the west of the AOI, while the second area is to the east with most of the wetlands being 50–100+ ft away, with the exception of a single tongue that abuts the AOI. While portions of each delineated wetland are within 100 ft of the AOI, they are not considered sensitive receptors due to the inert properties of the soils proposed to be disposed of at the Site. Note, however, that a wetland permit will be necessary for future work and an amendment to the Act 250 permit for Hard'ack may be required as well.

The closest mapped surface water is the Hungerford Brook ~730 ft to the east. Note, while not mapped, in August 2025 field staff identified a dry drainage ditch ~56 ft west of the AOI that runs north along the parcel. This drainage bed may support flow after periods of high precipitation or after winter snowmelt. A second drainage ditch was identified ~80 ft north of the AOI that bisects the parcel running west to east. Based on the upgradient to side-gradient direction of these features and their distances from the proposed project area, they are not considered sensitive receptors at this time.

3.0 SITE CHARACTERIZATION

3.1 Bedrock & Surficial Geology

Bedrock mapping indicates the majority of the Site, including nearly all of the ~5.5-acre area of interest (AOI), is underlain by medium-gray to black calcareous slate of the Saint Albans area belt of the Morses Line Slate. A section of the southeast portion of the parcel is underlain by laminated black slate of the Saint Albans area belt of the Skeels Corners Slate with thin, orange dolostones of the Saxe Brook formation. A section of the southwest portion of the parcel—which does not include the AOI—is underlain by quartzite and phyllite of Vermont Valley Sequence and Middlebury Synclinorium belt of the Cheshire Quartzite which is described as light-gray- to tannish-gray-weathering, massive to poorly bedded vitreous quartzite. Depth to bedrock is unknown at the Subject Property, however review of well logs for the closest nearby drinking water wells (WRN #383, #26720) ~750–900 ft southeast of the AOI indicate bedrock was encountered 36–40 ft below ground surface (bgs). Surficial mapping indicates that the southern half of the parcel, including the southwest portion of the AOI, consists of beach gravel. The northern half of the parcel which includes most of the AOI consists of silt, silty clay, and clay. Soil mapping shows several similar soil types across the parcel, with the southwest portion of the AOI mapped as Massena extremely stony loam (MnA) and the remainder of the AOI mapped as Massena stony loam (MeB). Observations of soil type made by field staff while overseeing test pits and piezometer installation were generally consistent with the surficial and soil types as mapped. The topography of the Site slopes eastward, with the southwest corner of the AOI at an elevation of 593 ft above mean sea level (amsl) and the northeast corner of the AOI at 571 ft amsl, equating to a slope of ~2.81%. Note, the southern portion of the AOI has a steeper grade at ~3.97%.

3.2 Soil Characterization

3.2.1 Soil Methods

On May 15, 2025, WHEM in conjunction with City of Saint Albans Department of Public Works staff completed ten (10) test pits. Six (6) of the test pits were advanced to ~4 ft bgs, with the other four (4) test pits advanced to ~8 ft bgs. Piezometers were installed into each of the four (4) deeper test pits upon completion (see Section 3.3 below). Field staff logged soil characteristics and collected soil samples from select intervals from 0.5, 4, and/or 8 ft bgs. Soil stratigraphy was generally characterized as brown loam from 0–1 ft bgs grading to reddish brown fine sandy loam with increasing cobble content from 7–8 ft bgs. Saturation increased with depth, with mottles observed in most test pits starting at ~1.5 ft bgs. Saturated soils were encountered at all test pits advanced to 8 ft bgs, with many test pits having some groundwater seepage at shallower intervals. Refer to the piezometer test pit logs in Appendix 3. To evaluate vertical distribution of contaminants, two (2) test pits were selected for samples from all three (3) intervals. After completion and backfilling of the test pits, WHEM staff collected an additional nine (9) shallow soil samples from other locations within the AOI from the 0.5 ft bgs interval. All locations were pre-determined using a gridded sampling methodology whereby one (1) soil sample was collected from each 100 ft by 100 ft grid across the potential disposal area, in accordance with § 35-805(d)(A)(i) of the IRule.

3.2.2 Soil Quality

Soil results are compared to the Vermont Soil Standards (VSS) as presented in § 35-APX-A1 of the IRule. Given the location and use of the Site, the applicable standards include non-resident (VSS-NR) and Urban Background (VSS-UB). Soil results are discussed in detail below and sample locations are shown on the Site Plan (Appendix 1). For summary results of PAHs, Lead, and Arsenic refer to Table 6 (Appendix 2); for full analytical results, refer to the laboratory report (Appendix 4). WHEM submitted twenty-five (25) soil samples for analysis using EPA Method 8270D for PAHs and 6010C for Lead and Arsenic. All samples were placed into laboratory provided containers, placed on ice, and transported under chain-of-custody procedures to Endyne Inc., in Williston, VT. Lead was detected in all twenty-five (25) samples, ranging from 4.0–18 mg/kg, less than VSS-UB (111 mg/kg) and Arsenic was detected in fifteen (15) samples ranging from 1.2–2.5 mg/kg, less than VSS-UB (16 mg/kg), concentrations which are generally indicative of native soils. PAHs were detected in two (2) samples with a Benzo(a)pyrene toxic equivalent concentration [B(a)P-TEQ] of 31.1 and 85.1 ug/kg, the latter exceeding VSS-R (70 ug/kg). Both detections are from 0.5-ft samples and likely indicative of some atmospheric fallout from I-89.

3.3 Hydrologic Characterization

3.3.1 Water Table Elevation & Surface Waters

To evaluate hydrologic conditions at the Site, WHEM installed four (4) piezometers (PZ-1 through PZ-4; Appendix 1) in the AOI on May 15, 2025. Piezometer construction details are included in Table 1 (Appendix 2). Since May 15, WHEM has collected water level measurements from the piezometers on a routine basis through September 2025, with eleven (11) total measurements collected to date (Table 2a-c, Appendix 2). Depth to groundwater at the Site ranges from 0.50 ft below ground surface (bgs) to 6.41 ft bgs, with groundwater elevation at the Site ranging from a high of 579.99 ft above mean sea level (amsl) to a low of 567.37 ft amsl. The average depth to groundwater measured from the piezometers ranged from 2.35–4.47 ft bgs, with a Sitewide average of 3.02 ft bgs.

The highest and lowest groundwater elevations generally occurred in early-June and late-September respectively, reflective of seasonal fluctuations in groundwater elevation. Groundwater elevations over time are shown in Graphs 1–4 (Appendix 2). Groundwater elevation contours (08/13/2025) were plotted to determine the direction of groundwater flow (Appendix 1), which is to the east, generally following Site topography.

As discussed in Section 2.6 (above), the closest mapped surface water is the Hungerford Brook ~730 ft to the east. Field staff also identified drainage ditches located ~56 ft west and ~80 ft north of the AOI. The drainage ditches were observed to be dry during August 2025 water level measurements and they likely only support flow after periods of high precipitation or after winter snowmelt.

3.3.2 Groundwater Quality

On June 18, 2025, WHEM collected groundwater samples from all four (4) piezometers. To ensure the collection of representative groundwater samples, WHEM employed low-flow methods in accordance with the EPA's *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*. Upon the stabilization of geochemical field parameters (temperature, dissolved oxygen [DO], specific conductivity, pH, oxidation-reduction potential [ORP], and turbidity), samples were collected directly from the pump outlet into laboratory-prepared sample containers. All samples were then placed on ice and transported under chain-of-custody procedures to Endyne Inc., in Williston, VT. Samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260C, semi-volatile organic compounds (SVOCs) via EPA Method 8270D, and RCRA 8 metals via EPA Methods 6020B and 245.1. For quality assurance and quality control (QA/QC) measures, WHEM submitted one (1) trip blank for analysis of VOCs and one (1) duplicate for analysis of VOCs, SVOCs, and metals. Groundwater results are compared to the Vermont Groundwater Enforcement Standards (VGES).

Lead was detected in all samples but below VGES (15 ug/L), ranging from 1.7–5.5 ug/L. Arsenic was detected in all samples but below VGES (10 ug/L), ranging from 2.2–5.7 ug/L. Barium was detected in all samples but below VGES (2,000 ug/L), ranging from 50–97 ug/L. Additionally, Chromium (10.9 ug/L) and Selenium (2.6 ug/L) were also detected in PZ-4, but at concentrations lower than their respective VGESs (100 and 50 ug/L, respectively). All VOCs were non-detected in all piezometers, with the exception of Acetone and 2-Butanone (MEK) which were detected in PZ-1, PZ-2, and PZ-4. Acetone and MEK are common laboratory cross-contaminants and are not considered to be representative of background conditions at the Site. All SVOCs were non-detected in all piezometers, with the exception of 3&4-Methylphenol which was detected in PZ-1, PZ-3, and PZ-4, and Phenol which was detected in PZ-1, PZ-2, and PZ-4. Both 3&4-Methylphenol and Phenol are common laboratory cross-contaminants and are not considered to be representative of background conditions at the Site. The B(a)P-TEQ for all samples was non-detected.

4.0 ISOLATION DISTANCES

Per §6-1006(a)(3)(C) of VSWMR, Development Soil CDFs are required to demonstrate sufficient isolation distances from the six (6) following general features: 1) seasonal high water table, 2) bedrock, 3) waters, 4) private or public drinking water sources, 5) property lines, and 6) any residence, school, daycare, hospital, or nursing home. Each of these features are discussed below. Isolation distances are provided in Subchapter 7 Table B: Required Minimum Isolation Distances.

4.1 Seasonal High Water Table

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs for vertical separation from the seasonal high water table is 6 ft. Based on the hydrologic data collected by WHEM to date, there is generally less than 6 ft of vertical separation from the current ground surface to the water table, with a Sitewide average of 3.02 ft. However, Note #3 in Table B states the following: “*For land application, vertical separation for this category shall be measured from*

the ground surface, or bottom of the zone of incorporation if applicable, to the saturated zone existing at the time of disposal. For disposal facilities, vertical separation for this category shall be measured from the bottom of the landfill liner system to the seasonal high groundwater table.”

The separation distance of 6 ft is overly conservative given the scope of the proposed project for the three (3) following primary reasons:

1. The proposed use of Hard'ack is not as a landfill facility, and Development Soils—which are defined in in IRule §35-201(11) as not hazardous waste—will be the only accepted material.
2. The proposed disposal of Development Soils is through thin spreading, a method which is more similar to Land Application sites, which only require a 3 ft separation distance.
3. Of the two (2) generating sites (Lemnah Drive Gravel Wetland and Houghton Park CSO), all toxic characteristic leaching procedure (TCLP) and synthetic precipitation leaching procedure (SPLP) analyses show that there is minimal to no leaching of contaminants from soils.

As part of the facility management plan (FMP), prepared in conjunction with this SCR, testing requirements for soils have been established. Thus, soils going to Hard'ack would only be accepted based on stringent testing criteria that would show that neither total concentrations nor leachable concentrations were in exceedance of applicable standards. Soils that exceeded applicable standards outlined for the facility would not be accepted under any conditions.

Additionally, based on the intended final use of Hard'ack for recreational sports fields, to create level playing fields many areas will require on the order of 5–8 ft of fill above current ground level. These depths would allow for the placement of several feet of clean soils directly on the current ground surface, prior to placement of Development Soils. This would easily allow for a separation of greater than 3 ft between the seasonal high water table and Development Soils across the entire Site, as well as a separation of greater than 6 ft in select areas, if deemed necessary.

4.2 Bedrock

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs for vertical separation to bedrock is 6 ft. During the site characterization process, WHEM advanced four (4) test pits to 8 ft bgs; bedrock was not encountered in any of these test pits. Depth to bedrock is unknown at the Subject Property, however review of well logs for the closest nearby drinking water wells (WRN #383, #26720) ~900 ft southeast of the AOI indicate bedrock was encountered 36–40 ft bgs. Thus, the Site satisfies the minimum isolation distance for bedrock.

4.3 Waterways

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs from the waste management boundary to waterways is 100 ft. There are mapped Class 2 wetlands ~250 ft south and 500 ft east of the AOI, however it is unlikely they would be impacted by the AOI. Note, the ANR Wetlands Advisory Layer does identify two potential areas immediately south of the AOI. Based on this, the project team commissioned a wetland delineation of the AOI (#2025-1058), which identified small areas of Class II wetlands ~40 ft to the west and ~0–100 ft to the east. While this small strip of wetland to the west is within 100 ft of the proposed facility, they are ~3–5 ft higher in elevation, indicating they are hydraulically upgradient of the proposed soil stockpile location. While portions of the wetland to the east are within 100 ft of the proposed facility, the Development Soil material will be inert and not pose a contamination threat to the wetlands. Prior to beginning work, appropriate wetland permits will be obtained.

The closest mapped surface water is the Hungerford Brook ~730 ft to the east. Per the Vermont Quality Standards, all waters at or below 2,500 feet in elevation are designated as Class B, unless otherwise specifically designated as Class A. Therefore, Hungerford Brook meets the definition of a Class B water and is the closest such waterbody. Note, while not mapped, in August 2025 field staff identified a dry drainage ditch ~56 ft west of the AOI that runs north along the parcel. This drainage bed may support flow after periods of high precipitation or after winter snowmelt. A second drainage ditch was identified ~80 ft north of the AOI that bisects the parcel running west to east. Based on the upgradient to side-gradient direction of these features and their distances from the proposed project area, they are not considered sensitive receptors at this time.

Finally, the proposed facility is not within a floodplain or flood hazard area. The closest floodplain or flood hazard area is located ~4,100 ft south.

4.4 Drinking Water Sources

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs from the waste management boundary to a drinking water source is 200 ft. There are no private or public drinking water wells at the Site, with the closest drinking water well (WRN#24-89) located ~750 ft southeast. This well is located across a topographic divide which is located roughly along the Interstate-89 corridor and is installed to a total depth of 300 ft, through 232 ft of bedrock. The location of the proposed facility is not within Zone 1 or Zone 2 of a groundwater source protection area. The closest Zone 1 or Zone 2 groundwater source protection area is associated with the Homestead Acres MHP (WSID #5403) located approximately 13,600 ft to the north. Given the sheer distance, along with the reasons mentioned above, the proposed facility poses no threat to this source protection area. The proposed facility is also not within a Class A Watershed; the closest Class A Watershed is the Mill River Watershed (City of Saint Albans WSID #5130) located ~8,342 ft to the southeast. Thus, the proposed facility poses no threat to drinking water sources.

4.5 Property Line

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs from the waste management boundary to a property line is 50 ft. The closest property boundary would be ~53 ft east and is associated with the Interstate-89 right-of-way. Thus, the extent of the proposed waste management boundary satisfies this requirement.

4.6 Residences, Schools, Daycares, Hospitals, & Nursing Homes

Per VSWMR Subchapter 7 Table B, the minimum isolation distance for CDFs from the waste management boundary to a residence, school, daycare, hospital, or nursing home is 300 ft. The closest of any of these facilities is the Eastview Drive neighborhood; the closest residence in that neighborhood located ~656 ft to the southwest. Additionally, the project area is screened by trees to the east, south, and west of the proposed waste management area, and the Hard'ack parcel extends an additional ~2,280 ft to the north, thus minimizing or eliminating any concerns of dust, visual impacts, or noise levels. Since only Development Soils will be accepted, there is no concern of odor. Thus, the extent of the proposed waste management boundary satisfies this requirement.

5.0 CONCLUSIONS & RECOMMENDATIONS

Based on the results of this investigation, we conclude the following:

- In May 2025, WHEM oversaw the excavation of ten (10) test pits ranging in depth from ~4 to 8 ft bgs to characterize soil type and quality. Soils were generally characterized as loam and sandy loam from ~0–7 ft bgs, with increasing cobble content from ~7–8 ft bgs in select locations. Evidence of the seasonal high water table was observed at several locations ~1.5–2 ft bgs with saturated soils encountered by termination in all deeper test pits advanced to ~ 8 ft bgs.
- After characterizing soils, samples were collected from discrete intervals from each test pit along with an additional nine (9) surface locations, with a total of twenty-five (25) samples collected. Samples were analyzed for PAHs, Lead, and Arsenic. Typical background / natural concentrations were observed in all samples, except for one (1) shallow soil sample collected at 0.5 ft bgs near the southeast corner of the area of interest, where PAHs exceeded VSS-R.
- During test pitting, four (4) locations were selected for installation of piezometers to ~7 ft bgs. From May through September 2025, groundwater levels were measured from each piezometer on eleven (11) occasions. Depth to groundwater ranged from 0.50–6.41 ft bgs, with a Sitewide average of 3.03 ft bgs.
- Each piezometer was sampled and analyzed for RCRA 8 Metals, VOCs, and SVOCs in June 2025. Typical background / natural concentrations of all analytes were observed at all locations, with the exception of detections of: Acetone and Methyl Ethyl Ketone (MEK; 2-

Butanone) in PZ-1, PZ-2, and PZ-4; 3&4-Methylphenol in PZ-1, PZ-3, and PZ-4; and Phenol in PZ-1, PZ-2, and PZ-4. All aforementioned compounds are common laboratory cross-contaminants and are not considered to be representative of background conditions at the Site.

- Per §6-1006(a)(3)(C) of VSWMR, Development Soil CDFs are required to demonstrate sufficient isolation distances from the six (6) following general features: 1) seasonal high water table, 2) bedrock, 3) waters, 4) private or public drinking water sources, 5) property lines, and 6) any residence, school, daycare, hospital, or nursing home. The Site satisfies all isolation distances with the exception of the seasonal high water table. However...
- The separation distance of 6 ft is overly conservative given the scope of the proposed project for the three (3) following primary reasons:
 1. The proposed use of Hard'ack is not as a landfill facility, and Development Soils—which are defined in in IRule §35-201(11) as not hazardous waste—will be the only accepted material.
 2. The proposed disposal of Development Soils is through thin spreading, a method which is more similar to Land Application sites, which only require a 3-ft separation distance.
 3. Of the two (2) generating sites (Lemnah Drive Gravel Wetland and Houghton Park CSO), all toxic characteristic leaching procedure (TCLP) and synthetic precipitation leaching procedure (SPLP) analyses show that there is minimal to no leaching of contaminants from soils.
- A Facility Management Plan (FMP) that addresses proper operation and development of the proposed facility has been prepared and submitted under separate cover.

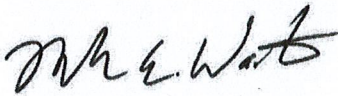
Thus, this investigation has provided a detailed Conceptual Site Model of the Hard'ack Recreational Area, including information on abutters, historic and proposed land use, environmental history, contaminant fate and transport, and sensitive receptors. We have thoroughly described surficial and bedrock geology for the Site, as well as the physical and chemical hydrogeology. We have shown that the Site satisfies required isolation distances per §6-1006(a)(3)(C) of VSWMR, with the exception of the seasonal high water table. In this instance, we have provided adequate justification for why this 6-ft separation distance is overly conservative given that the proposed Development Soils to be disposed of from two (2) generating sites owned by the City are essentially inert. Additionally, a greater separation distance between Development Soils and the water table can be achieved at the Site by placing a layer of clean soil prior to the

placement of Development Soils. Finally, an FMP that addresses proper operation and development of the proposed facility has been prepared and submitted under separate cover.

As such, it is our belief that the Site is a suitable location for the operation of a Categorical Disposal Facility for Development Soils, and that no additional investigation is necessary at this time.

6.0 SIGNATURE

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.



Miles Waite, PhD, PG
Principal Hydrogeologist

AND

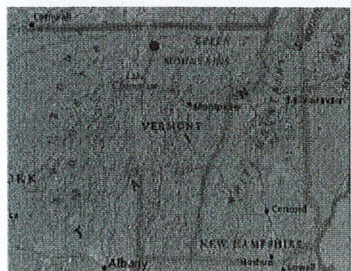


Chandler Noyes, PhD
Senior Hydrogeologist

APPENDIX 1

FIGURES

ANR Site Location Map
Existing Site Plan, Sheet C8 (Aldrich + Elliot)
Soil Stockpiling Plan, Sheet C9 (Aldrich + Elliot)
Proposed Final Soil Placement, Sheet C10 (Aldrich + Elliott)
Groundwater Elevation Contour Map (08/13/2025)
ANR Sensitive Receptor Map



LEGEND

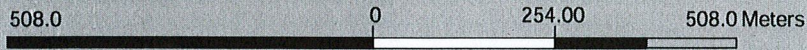
- Parcels (standardized)
- Roads
 - Interstate
 - US Highway, 1
 - State Highway
 - Town Highway (Class 1)
 - Town Highway (Class 2,3)
 - Town Highway (Class 4)
- Area of Interest
- Approx. Parcel Boundary

NOTES

Map created using ANR GIS mapping technology. Annotated by Chandler Noyes (WHEM).

1: 10,000

February 21, 2025



NO.	DATE	DESCRIPTION

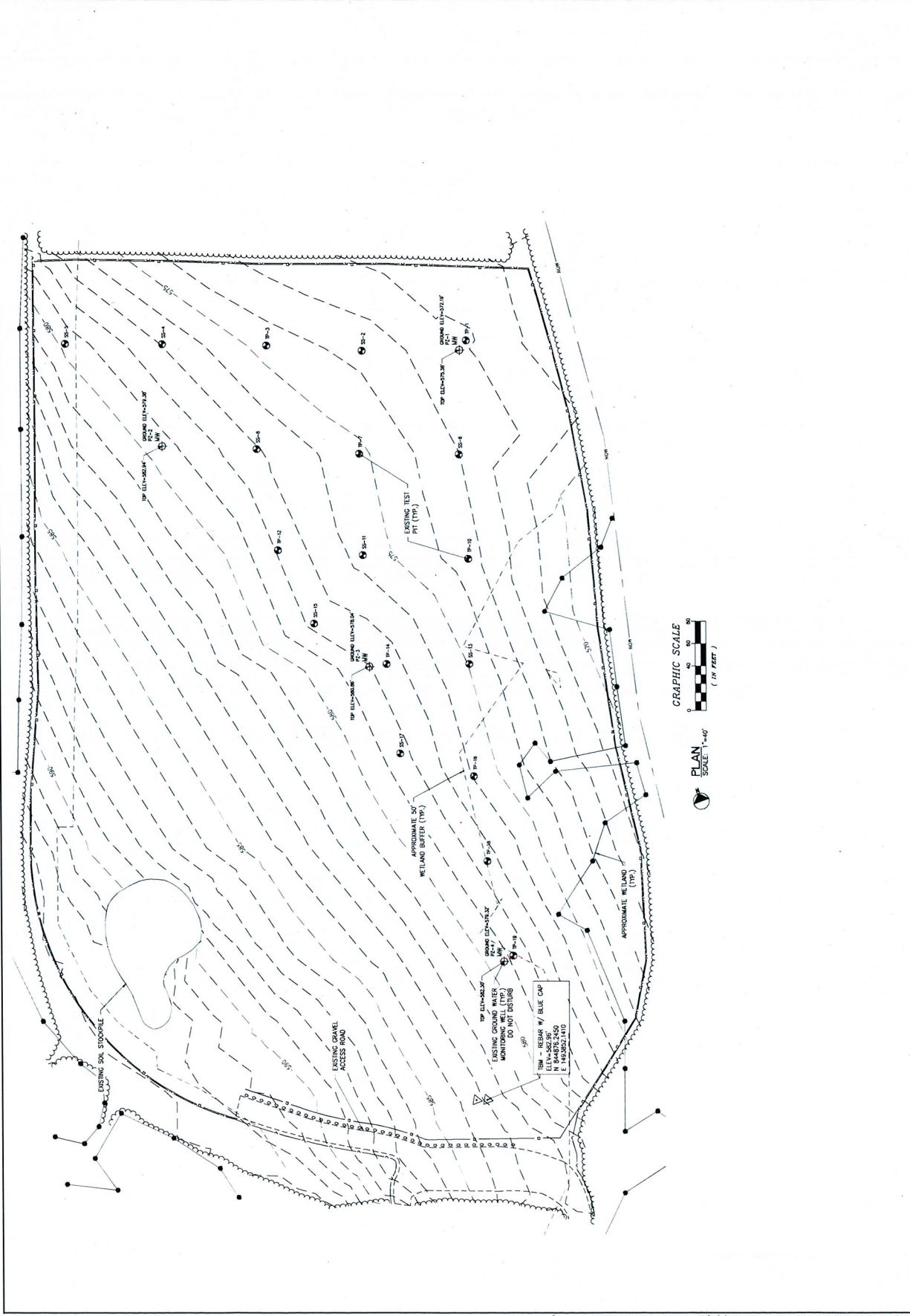
CITY OF
 ST. ALBANS,
 VERMONT

HOUGHTON PARK
 CSO STORAGE TANK
 CONTRACT No.2

HARDACK
 UNIVERSITY
 EAST SITE
 PLAN

PROJECT NO.	22036
DRAWN	EPS
CHECKED	JAB
DATE	JUL. 2025

C8



NO.	DATE	DESCRIPTION
1	07/2025	ADDITIONAL NO. 2
JRB		CHECKED

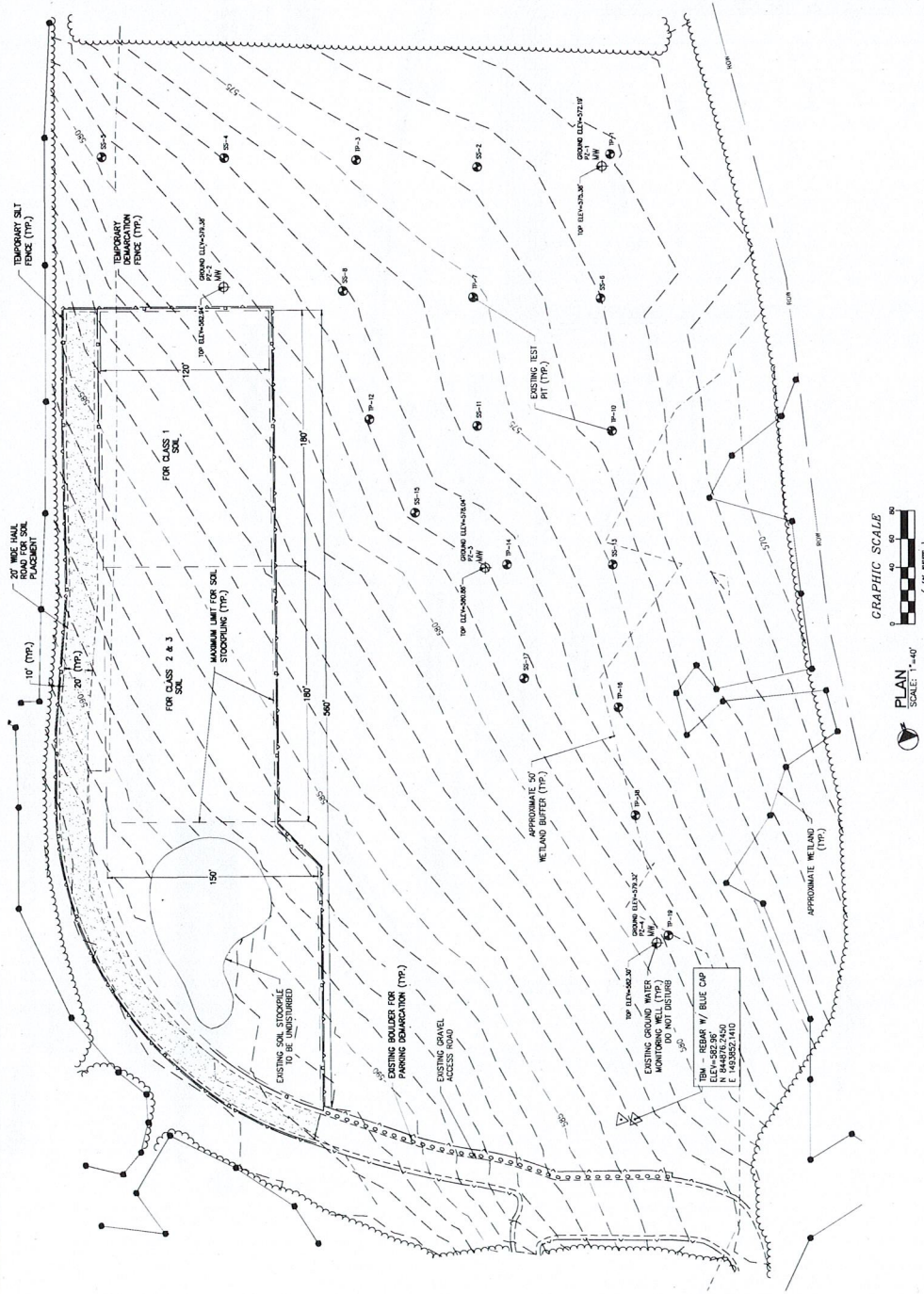
CITY OF
ST. ALBANS,
VERMONT

LOUGHTON PARK
CEO STORAGE TANK
CONTRACT No.2

SOIL MANAGEMENT
PLAN - HARDACK
STOCK PILING PLAN

DESIGNED	PROJECT NO.
DRAWN	22036
EDS	DRAWING NO.
CHECKED	CR
JRB	
DATE	
JULY 2025	

- NOTES:**
- CONTRACTOR TO SHIM EXISTING GRAVEL ACCESS ROAD WITH A FINE CRUSHED GRAVEL. ALL MATERIALS TO BE PLACED AND COMPACTED IN LAYERS. THE GRADING AND PLACEMENT PROCESS MAINTAINED BY THE CONTRACTOR DURING THE GRADING AND PLACEMENT PROCESS. EXISTING ACCESS ROAD SHALL BE SHIMMED UPON COMPLETION.
 - ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE PRIOR TO COMMENCING ANY HAULING OR PLACEMENT OF SOIL AND MUST BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL REMOVE AND REINSTALL NEW SILT FENCE PRIOR TO LEAVING THE SITE.
 - ALL MATERIALS TO BE STOCKPILED ON THIS SITE MUST BE SEPARATED INTO TWO STOCKPILES PER DIRECTION FROM THE OWNER'S DEP. ALL CLASS 2 AND CLASS 3 MATERIALS SHALL BE STOCKPILED IN A SEPARATE AREA FROM CLASS 1 MATERIALS. PLACEMENT THE SOIL PILES SHALL BE MAINTAINED AND STABILIZED UPON COMPLETION. THE STABILIZED PILES SHALL BE COVERED WITH A BLACK 10 MIL POLYETHYLENE AND SECURED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE APPROPRIATE PERMITS FOR THE SCOPE OF WORKS AND THE MEASUREMENT AND PAYMENT AND SHALL BE INCLUDED IN THE BASE BID.

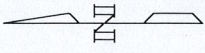


Wite - Heindel
 Environmental Management
 • Hydrogeology • Water &
 Wastewater Design
 • Environmental Services
 Burlington, Vermont • (802) 860-9400
 www.witehcnv.com



DATE: 8/25/2025
 PROJECT NO.
 DRAWN BY: MW
 PROJ. MGR: CN
 APPROVED: CN
 DRAFT
 FINAL

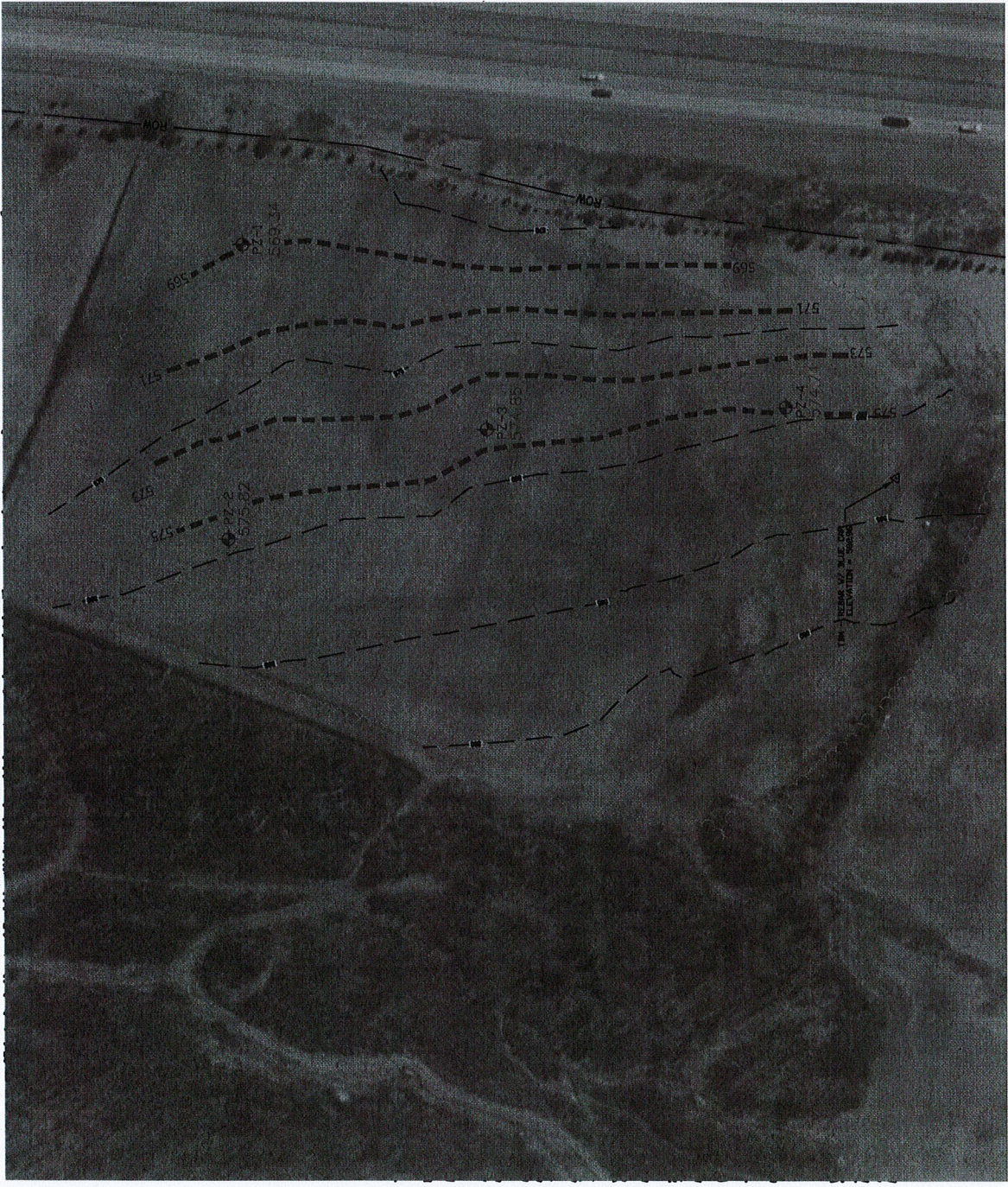
HARDACK RECREATION AREA
 HARDACK DRIVE
 ST ALBANS CITY, VT
 GROUNDWATER ELEVATION CONTOUR MAP
 FILE: HARDACK_WHEM.DWG
 SCALE: 1" = 100'



LEGEND

- PZ-1 SHALLOW PIEZOMETER
- GROUNDWATER ELEVATION (FT)
- 572.82
- GROUNDWATER ELEVATION CONTOUR (FT)
- 571
- GRAPHIC SCALE: 1"=100'

NOTES:
 1. BASE PLAN IS BY ALDRICH ELLIOTT, HARDACK EXISTING SITE PLAN,
 OR JULY 2025.
 2. GROUNDWATER ELEVATIONS WERE MEASURED BY WHEN ON AUGUST
 13, 2025.



APPENDIX 2

TABLES & GRAPHS

- Table 1: Piezometer Construction Details
- Table 2a: Depth to Groundwater (ft btoc)
- Table 2b: Depth to Groundwater (ft bgs)
- Table 2c: Groundwater (ft amsl)
- Table 3: Groundwater Metals
- Table 4: Groundwater VOCs
- Table 5: Groundwater SVOCs
- Table 6: PAHs, Lead, Arsenic in Soil
- Graphs 1-4: Groundwater Elevation, PZ-1 through PZ-4



Table 1
Piezometer Construction Details
Hard'ack Recreational Area
Saint Albans, VT 05478

Well I.D.	Year Installed	Well Diameter (in.)	Well Style	Screened Interval (ft.bgs)	Depth to Bottom (ft.btoc)	Stickup Elevation	Measuring Point (ft)	Ground Level (ft AMSL)	Top of Casing Elevation (ft AMSL)
PZ-1	2025	2.0	Stickup	5 - 10	9.90	3.34	TOC PVC	572.04	575.38
PZ-2	2025	2.0	Stickup	5 - 10	10.10	3.64	TOC PVC	579.29	582.94
PZ-3	2025	2.0	Stickup	5 - 15	10.10	2.90	TOC PVC	577.96	580.86
PZ-4	2025	2.0	Stickup	5 - 15	10.10	3.06	TOC PVC	579.24	582.30

Notes: Survey conducted by Aldrich + Elliot, PC on 06/02/2025.

Tables 2a-c
Groundwater Elevation Data
Hard'ack Recreational Area
Saint Albans, Vermont

Table 2a: Depth to Groundwater (ft btoc)

Location	Elevation (ft)	5/15/2025	6/11/2025	6/18/2025	6/27/2025	7/14/2015	7/29/2025	8/13/2025	8/19/2025	9/4/2025	9/10/2025	9/26/2025
PZ-1	575.38	5.30	4.40	5.24	5.48	4.52	4.14	6.04	6.62	7.68	7.47	8.01
PZ-2	582.94	6.30	4.95	6.27	6.52	5.64	5.34	7.12	7.50	8.15	7.57	8.33
PZ-3	580.86	5.58	4.30	5.42	5.55	4.26	4.00	6.01	6.40	6.94	6.20	6.88
PZ-4	582.30	7.8	6.05	6.72	7.21	5.98	5.85	7.59	8.08	9.04	9.09	9.47

Table 2b: Depth to Groundwater (ft bgs)

Location	PVC Stückup (ft)	5/15/2025	6/11/2025	6/18/2025	6/27/2025	7/14/2015	7/29/2025	8/13/2025	8/19/2025	9/4/2025	9/10/2025	9/26/2025
PZ-1	3.34	1.96	1.06	1.90	2.14	1.18	0.80	2.70	3.28	4.34	4.13	4.67
PZ-2	3.64	2.66	0.76	1.60	1.84	0.88	0.50	2.40	2.98	4.04	3.83	4.37
PZ-3	2.90	2.68	1.40	2.52	2.65	1.36	1.10	3.11	3.50	4.04	3.30	3.98
PZ-4	3.06	4.74	2.99	3.66	4.15	2.92	2.79	4.53	5.02	5.98	6.03	6.41

Table 2c: Groundwater Elevations (ft arns)

Location	Elevation (ft)	5/15/2025	6/11/2025	6/18/2025	6/27/2025	7/14/2015	7/29/2025	8/13/2025	8/19/2025	9/4/2025	9/10/2025	9/26/2025
PZ-1	575.38	570.08	570.98	570.14	569.90	570.86	571.24	569.34	568.76	567.70	567.91	567.37
PZ-2	582.94	576.64	577.99	576.67	576.42	577.30	577.60	575.82	575.44	574.79	575.37	574.61
PZ-3	580.86	575.28	576.56	575.44	575.31	576.60	576.86	574.85	574.46	573.92	574.66	573.98
PZ-4	582.30	574.50	576.25	575.58	575.09	576.32	576.45	574.71	574.22	573.26	573.21	572.83

Notes: Survey conducted by Aldrich + Elliot, PC on 06/02/2025.



Table 3
Groundwater Metals
Hard'ack Recreational Area
Saint Albans, VT 05478

Sample Location	Sample Date	VGES	PZ-1				PZ-2				PZ-3				PZ-4				duplicate
			6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025	6/18/2025		
RCRA 8 METALS (EPA 6010D/7471B)																			
Total Arsenic	ug/L (ppb)	10	5.7	3.7	2.2	5.1	1.5												
Total Barium	ug/L (ppb)	2,000	72	57	50	97	41												
Total Cadmium	ug/L (ppb)	5	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0												
Total Chromium	ug/L (ppb)	100	ND / < 5.0	ND / < 5.0	ND / < 5.0	10.9	ND / < 5.0												
Total Lead	ug/L (ppb)	15	1.8	1.8	1.7	5.5	1.2												
Total Mercury	ug/L (ppb)	2	ND / < 0.2	ND / < 0.2	ND / < 0.2	ND / < 0.2	ND / < 0.2												
Total Selenium	ug/L (ppb)	50	ND / < 2.0	ND / < 2.0	ND / < 2.0	2.6	ND / < 2.0												
Total Silver	ug/L (ppb)	--	ND / < 10	ND / < 10	ND / < 10	ND / < 100	ND / < 10												

NOTES:

1. All standards as listed are from Appendix One - Table 1: Groundwater Enforcement Standards, Vermont Action Levels, and Preventive Action Levels, in the Groundwater Protection and Rule Strategy, Effective July 6, 2019.
2. Results reported above the method detection limit are indicated in bold.
3. ND = Non Detected.



Table 4
Groundwater VOCs
Hard'ack Recreational Area
Albans, VT 05478

Sample Location Date	VGES	PZ-1 6/11/2025	PZ-2 6/11/2025	PZ-3 6/11/2025	PZ-4 6/11/2025	Duplicate 6/11/2025	Trip Blank 6/11/2025
Volatile Organic Compounds (EPA Method 8260C)							
1,1,1,2-Tetrachloroethane	70	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0
1,1,1-Trichloroethane	200	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
1,1,2-Trichloroethane	5	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
1,1-Dichloroethane	70	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
1,1-Dichloroethane	5	ND / < 0.7	ND / < 0.7	ND / < 0.7	ND / < 0.7	ND / < 0.7	ND / < 0.7
1,2,3-Trichlorobenzene	0.9	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
1,2,3-Trichloropropane	0.02	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0
1,2,3-Trimethylbenzene	23	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
1,2,4-Trichlorobenzene	70	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0
1,2,4-Trimethylbenzene	23	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
1,2-Dichloropropane	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
1,3,5-Trimethylbenzene	23	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
2-Butanone (MEK)	511	16.8	18.5	10.2	10.2	16.4	ND / < 10.0
Acetone	950	333	181	326	326	16.4	ND / < 10.0
Benzene	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Bromochloromethane	8	ND / < 0.8	ND / < 0.8	ND / < 0.8	ND / < 0.8	ND / < 0.8	ND / < 0.8
Bromomethane	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Carbon tetrachloride	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Chlorobenzene	100	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
cis-1,2-Dichloroethene	70	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
Ethylbenzene	700	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
Methylene chloride	5	ND / < 5.0	ND / < 5.0	ND / < 5.0	ND / < 5.0	ND / < 5.0	ND / < 5.0
MTBE	11	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0
Naphthalene	0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Styrene	100	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
Tetrachloroethene (PCE)	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Toluene	1,000	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
Total Trimethyl Benzenes†	23	ND / < 3.0	ND / < 3.0	ND / < 3.0	ND / < 3.0	ND / < 3.0	ND / < 3.0
trans-1,2-Dichloroethene	100	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0	ND / < 1.0
Trichloroethylene (TCE)	5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Vinyl chloride	2	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5	ND / < 0.5
Xylenes, Total	10,000	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0	ND / < 2.0
UIPs	#	#	#	#	#	#	#
Total BTEX VOCs	--	ND / < 4.5	ND / < 4.5	ND / < 4.5	ND / < 4.5	ND / < 4.5	ND / < 4.5
TOTAL PETROLEUM VOCs	--	--	--	--	--	--	--

Notes

VGES = Vermont Groundwater Enforcement Standard (Table 1 of the Groundwater Protection Rule and Strategy 7/2019)
 ND-X = Not Detected (Detection Limit), detection limit is calculated as half the sum or the individual reporting limits.
 Results reported above detection limits are indicated in bold. Values greater than the VGES are shaded.



Table 5
Groundwater SVOCs
Hard'ack Recreational Area
Saint Albans, VT 05478

Sample Location Date	VGES	PZ-1 6/11/2025	PZ-2 6/11/2025	PZ-3 6/11/2025	PZ-4 6/11/2025	Duplicate 6/11/2025
Semi-Volatile Organic Compounds (EPA Method 8270D)						
1,2,4-Trichlorobenzene	70	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0
1,2-Dichlorobenzene	600	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0
1,3-Dichlorobenzene	600	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0
1,4-Dichlorobenzene	75	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0	ND/<2.0
Anthracene	343	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5
Benzo(a)pyrene	0.20	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5
Bis(2-chloromethyl)ether	46	ND/<5.0	ND/<5.0	ND/<5.0	ND/<5.0	ND/<5.0
Fluoranthene	46	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5
Fluorene	46	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5	ND/<0.5
Hexachlorobenzene	1	ND/<1.0	ND/<1.0	ND/<1.0	ND/<0.5	ND/<1.0
Hexachlorocyclopentadiene	50	ND/<20.0	ND/<20.0	ND/<20.0	ND/<2.0	ND/<20.0
Naphthalene	0.5	ND/<0.5	ND/<0.5	ND/<0.5	ND/<2.0	ND/<0.5
Pentachlorophenol	1	ND/<10.0	ND/<10.0	ND/<10.0	ND/<10.0	ND/<10.0
3&4-Methylphenol (m&p-cresol)	--	42.1	ND/<5.0	2.4	61.4	15.9
Phenol	--	8.0	3.0	ND/<2.0	2.9	ND/<2.0
B(a)P-TEQ		ND/<0.6	ND/<0.6	ND/<0.6	ND/<0.6	ND/<0.6

NOTES:

- [1] All standards as listed are from Appendix A - § 35-APX-A1 - Vermont Groundwater Protection Rule & Strategy, Effective July 06, 2019.
- [2] "ND/<X" = Not Detected above method detection Limit shown.
- [3] Results reported above the method detection limit are indicated in bold; Results reported above the Vermont Preventative Action Level are in italics; Results reported above the Vermont Groundwater Enforcement Standards are Shaded.
- [4] Samples were analyzed for complete EPA Method 8270D analyte list.

Table 6
PAHs, Lead, Arsenic in Soil
Hardack Recreational Area
St. Albans, VT

Sample Location	Vermont Soil Standards Resident Soil	Vermont Soil Standards Non-Resident Soil	Vermont Soil Standards Urban Background	TP-1-0.5'	TP-1-4.0'	TP-1-7.5'	SS-2-0.5'	TP-3-0.5'
Sample Depth Interval (ft)				0.5	4.0	7.5	0.5	0.5
Sample Date				5/15/2025	5/15/2025	5/15/2025	5/15/2025	5/15/2025
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (EPA Method 8270D)								
Acenaphthene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Acenaphthylene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
1-Methylnaphthalene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Anthracene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Benzo(a)anthracene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Benzo(a)pyrene	70	1,540	580	ND / < 13.1	ND / < 11.6	ND / < 10.9	ND / < 14.5	ND / < 13.3
Benzo(b)fluoranthene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Benzo(g,h,i)perylene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Benzo(k)fluoranthene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Chrysene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Dibenzo(a,h)anthracene	--	--	--	ND / < 13.1	ND / < 11.6	ND / < 10.9	ND / < 14.5	ND / < 13.3
Fluoranthene	2,301,000	26,371,000	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Fluorene	2,301,000	26,371,000	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Indeno(1,2,3-cd)pyrene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
2-Methylnaphthalene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Naphthalene	1,200	7,200	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Phenanthrene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
Pyrene	--	--	--	ND / < 26.2	ND / < 23.3	ND / < 21.8	ND / < 29.1	ND / < 26.6
BaP Toxic Equiv. Quotient	70	1540	580	ND / < 17.2	ND / < 15.2	ND / < 14.3	ND / < 19.0	ND / < 17.4
Pb & As								
Total Lead	--	--	111	11	5.9	4.0	8.2	7.4
Total Arsenic	--	--	16	1.4	2.5	1.8	ND / < 1.2	ND / < 1.1

NOTES:

- All standards as listed are from Appendix A - § 35-APX-A1 - Soil Standards in the VT Investigation and Remediation of Contaminated Properties Rule, Effective February 23, 2024
- "ND/<x" = Not Detected above method detection Limit shown.
- Benzo(a)pyrene toxic equivalents B(a)P TEQ calculation from Vermont General Screening Values For Soil, updated January 2023.
- Results reported above the method detection limit are indicated in bold.
- Results shaded **YELLOW** are above Resident Vermont Soil Standard.

Table 6
PAHs, Lead, Arsenic in Soil
Hardack Recreational Area
St. Albans, VT

Sample Location	Sample Depth Interval (ft)	Sample Date	Vermont Soil Standards Resident Soil		Vermont Soil Standards Non-Resident Soil		Vermont Soil Standards Urban Background		SS-4-0.5'		SS-5-0.5'		SS-6-0.5'		TP-7-0.5'		SS-8-0.5'		
			ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)	ug/Kg (ppb)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (EPA Method 8270D)																			
Acenaphthene			--	--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Acenaphthylene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
1-Methylnaphthalene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Anthracene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Benzo(a)anthracene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Benzo(a)pyrene			70	1,540	2,301,000	2,301,000	580	ND / < 15.7	ND / < 17.3	ND / < 16.7	ND / < 16.7	ND / < 24.7	ND / < 24.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	
Benzo(b)fluoranthene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Benzo(g,h,i)perylene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Benzo(k)fluoranthene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Chrysene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Dibenz(a,h)anthracene			--	--	--	--	--	ND / < 15.7	ND / < 17.3	ND / < 16.7	ND / < 16.7	ND / < 14.7	ND / < 14.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	ND / < 16.7	
Fluoranthene			2,301,000	26,371,000	2,301,000	26,371,000	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Fluorene			2,301,000	26,371,000	2,301,000	26,371,000	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Indeno(1,2,3-cd)pyrene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
2-Methylnaphthalene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Naphthalene			1,200	7,200	1,200	7,200	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Phenanthrene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
Pyrene			--	--	--	--	--	ND / < 31.4	ND / < 32.2	ND / < 33.4	ND / < 29.4	ND / < 29.4	ND / < 33.4	ND / < 29.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	ND / < 33.4	
BaP Toxic Equiv. Quotient			70	1540	70	1540	580	ND / < 20.6	ND / < 22.7	ND / < 21.9	ND / < 19.3	ND / < 19.3	ND / < 19.3	ND / < 21.9	ND / < 19.3	ND / < 21.9	ND / < 21.9	ND / < 21.9	
Pb & As																			
Total Lead			--	--	--	--	111	9.1	11	10	8.7	10	8.7	10	8.7	10	8.7	10	
Total Arsenic			--	--	--	--	16	ND / < 1.4	1.4	1.5	ND / < 1.3	1.5	ND / < 1.3	1.5	ND / < 1.3	1.5	ND / < 1.3	1.5	

NOTES:

- All standards as listed are from Appendix A - § 35-APX-A1 - Soil Standards in the VT Investigation and Remediation of Contaminated Properties Rule, Effective February 23, 2024
- "ND/<X" = Not Detected above method detection Limit shown.
- Benzo(a)pyrene toxic equivalents B(a)PTEQ calculation from Vermont General Screening Values For Soil, updated January 2023.
- Results reported above the method detection limit are indicated in bold.
- Results shaded **YELLOW** are above Resident Vermont Soil Standard.

Table 6
PAHs, Lead, Arsenic in Soil
Hard'ack Recreational Area
St. Albans, VT

Sample Location	Vermont Soil Standards Resident Soil	Vermont Soil Standards Non-Resident Soil	Vermont Soil Standards Urban Background	TP-9-0.5'	TP-9-4'	TP-10-0.5'	SS-11-0.5'	TP-12-0.5'
Sample Depth Interval (ft)				0.5	4.0	0.5	0.5	0.5
Sample Date				5/15/2025	5/15/2025	5/15/2025	5/15/2025	5/15/2025
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) [EPA Method 8270D]								
Acenaphthene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Acenaphthylene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
1-Methylnaphthalene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Anthracene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Benzo(a)anthracene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Benzo(a)pyrene	70	1,540	580	ND / < 16.1	ND / < 11.2	ND / < 14.5	ND / < 15.7	ND / < 15.8
Benzo(b)fluoranthene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Benzo(g,h,i)perylene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Benzo(k)fluoranthene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Chrysene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Dibenzo(a,h)anthracene	--	--	--	ND / < 16.1	ND / < 11.2	ND / < 14.5	ND / < 15.7	ND / < 15.8
Fluoranthene	2,301,000	26,371,000	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Fluorene	2,301,000	26,371,000	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Indeno(1,2,3-cd)pyrene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
2-Methylnaphthalene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Naphthalene	1,200	7,200	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Phenanthrene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
Pyrene	--	--	--	ND / < 32.2	ND / < 22.5	ND / < 29.0	ND / < 31.3	ND / < 31.7
BaP Toxic Equiv. Quotient	70	1540	580	ND / < 21.1	ND / < 14.7	ND / < 19.0	ND / < 20.6	ND / < 20.7
Pb & As								
Total Lead	--	--	111	11	5.7	9.6	11	9.7
Total Arsenic	--	--	16	1.6	1.9	ND / < 1.4	ND / < 1.4	1.4

NOTES:

- All standards as listed are from Appendix A - § 35-APX-A1 - Soil Standards in the VT Investigation and Remediation of Contaminated Properties Rule, Effective February 23, 2024
- "ND/<X" = Not Detected above method detection Limit shown.
- Benzo(a)pyrene toxic equivalents B(a)P/TEQ calculation from Vermont General Screening Values For Soil, updated January 2023.
- Results reported above the method detection limit are indicated in bold.
- Results shaded **YELLOW** are above Resident Vermont Soil Standard.

Table 6
PAHs, Lead, Arsenic in Soil
Hardack Recreational Area
St. Albans, VT

Sample Location	Sample Depth Interval (ft)	Sample Date	Vermont Soil Standards Resident Soil	Vermont Soil Standards Non-Resident Soil	Vermont Soil Standards Urban Background	SS-13-0.5'	TP-14-0.5'	TP-14-4.0'	SS-15-0.5'	TP-16-0.5'
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (EPA Method 8270D)										
Acenaphthene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Acenaphthylene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
1-Methylnaphthalene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Anthracene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Benzo(a)anthracene	ug/Kg (ppb)	--	--	--	--	ND / < 14.4	ND / < 16.6	ND / < 11.6	ND / < 18.6	ND / < 15.6
Benzo(a)pyrene	ug/Kg (ppb)	70	1,540	580	580	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Benzo(b)fluoranthene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Benzo(g,h,i)perylene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Benzo(k)fluoranthene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Chrysene	ug/Kg (ppb)	--	--	--	--	ND / < 14.4	ND / < 16.6	ND / < 11.6	ND / < 18.6	ND / < 15.6
Dibenzo(a,h)anthracene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Fluoranthene	ug/Kg (ppb)	2,301,000	26,371,000	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Fluorene	ug/Kg (ppb)	2,301,000	26,371,000	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Indeno(1,2,3-cd)pyrene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
2-Methylnaphthalene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Naphthalene	ug/Kg (ppb)	1,200	7,200	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Phenanthrene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
Pyrene	ug/Kg (ppb)	--	--	--	--	ND / < 28.7	ND / < 33.3	ND / < 23.3	ND / < 37.2	ND / < 31.2
BaP Toxic Equiv. Quotient	ug/Kg (ppb)	70	1540	580	580	ND / < 18.9	ND / < 21.8	ND / < 15.2	ND / < 24.4	ND / < 20.5
Pb & As										
Total Lead	mg/Kg (ppm)	--	--	111	111	7.4	7.9	4.5	14	11
Total Arsenic	mg/Kg (ppm)	--	--	16	16	ND / < 1.2	1.8	1.9	ND / < 1.6	ND / < 1.3

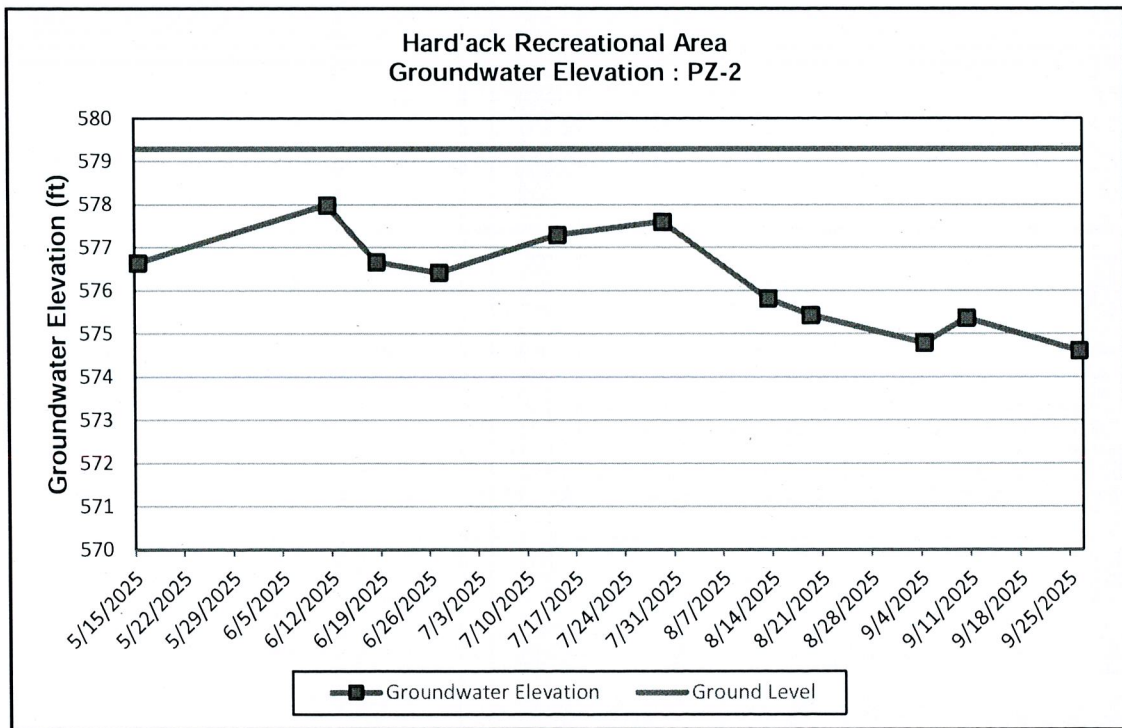
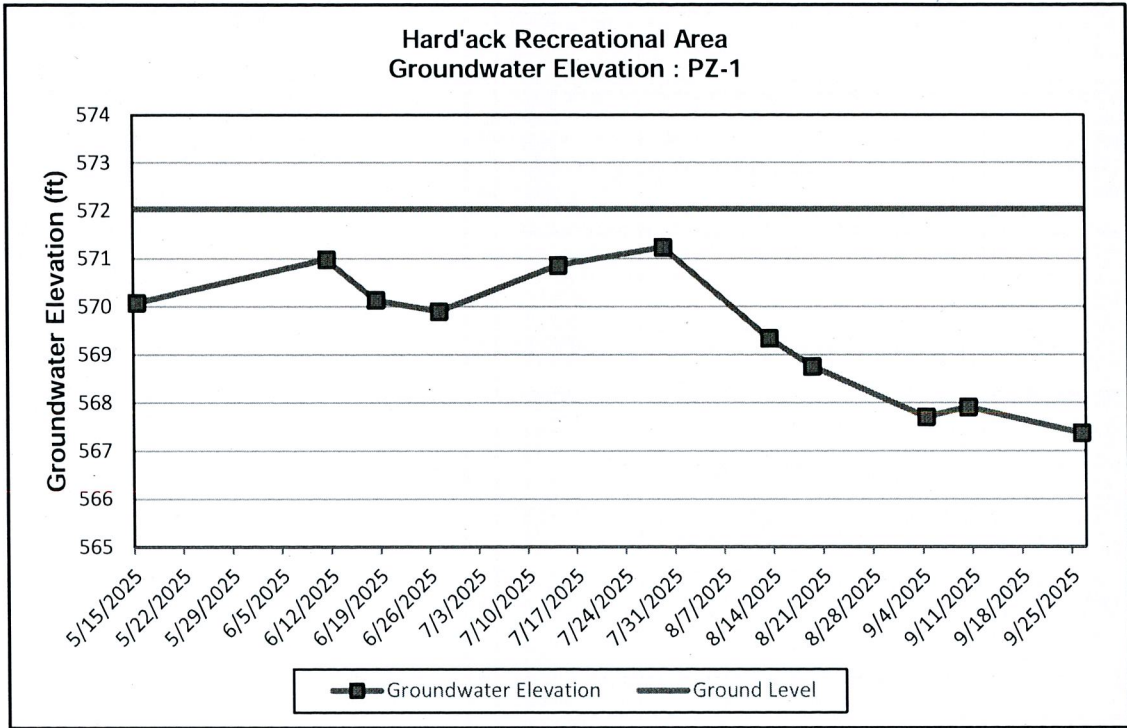
- NOTES:
- All standards as listed are from Appendix A - § 35-APX-A1 - Soil Standards in the VT Investigation and Remediation of Contaminated Properties Rule, Effective February 23, 2024
 - "ND/<X" = Not Detected above method detection Limit shown.
 - Benzo(a)pyrene toxic equivalents B(a)PTEQ calculation from Vermont General Screening Values For Soil, updated January 2023.
 - Results reported above the method detection limit are indicated in bold.
 - Results shaded **YELLOW** are above Resident Vermont Soil Standard.

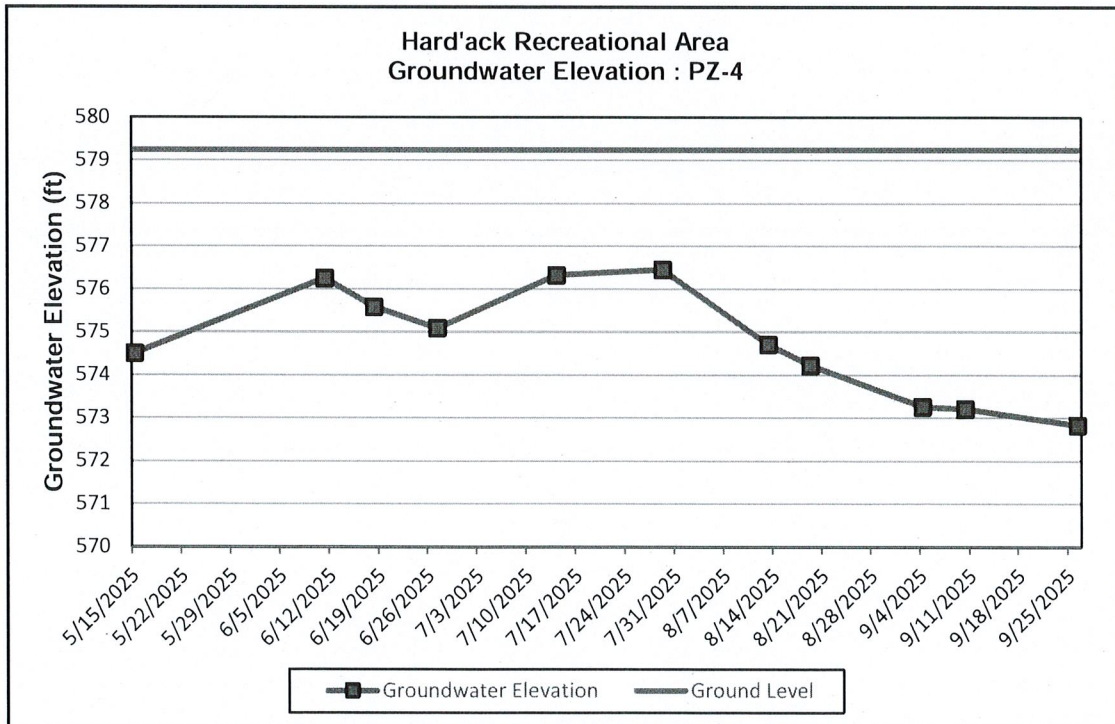
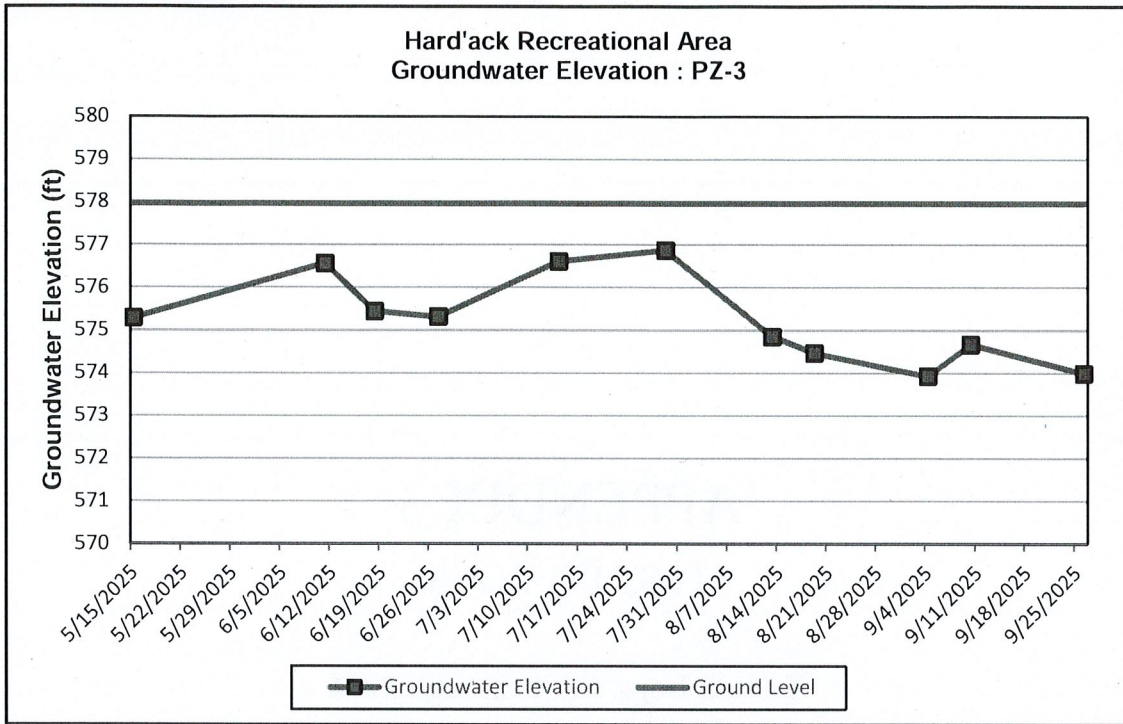
Table 6
PAHs, Lead, Arsenic in Soil
Hard'ack Recreational Area
St. Albans, VT

Sample Location	Vermont Soil Standards Resident Soil	Vermont Soil Standards Non-Resident Soil	Vermont Soil Standards Urban Background	SS-17-0.5'	TP-18-0.5'	TP-19-0.5'	TP-19-4.0'	TP-19-8.0'
Sample Depth Interval (ft)				0.5	0.5	0.5	4.0	8.0
Sample Date				5/15/2025	5/15/2025	5/15/2025	5/15/2025	5/15/2025
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (EPA Method 8270D)								
Acenaphthene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Acenaphthylene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
1-Methylnaphthalene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Anthracene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Benzo(a)anthracene	--	--	--	ND / < 29.4	ND / < 26.3	59.2	ND / < 23.4	ND / < 23.0
Benzo(a)pyrene	70	1,540	580	ND / < 14.7	20.5	54.2	ND / < 11.7	ND / < 11.5
Benzo(b)fluoranthene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Benzo(g,h,i)perylene	--	--	--	ND / < 29.4	ND / < 26.3	35.7	ND / < 23.4	ND / < 23.0
Benzo(k)fluoranthene	--	--	--	ND / < 29.4	ND / < 26.3	69.3	ND / < 23.4	ND / < 23.0
Chrysene	--	--	--	ND / < 29.4	ND / < 26.3	58.1	ND / < 23.4	ND / < 23.0
Dibenzo(a,h)anthracene	--	--	--	ND / < 14.7	ND / < 13.1	14.5	ND / < 11.7	ND / < 11.5
Fluoranthene	2,301,000	26,371,000	--	ND / < 29.4	ND / < 26.3	105.0	ND / < 23.4	ND / < 23.0
Fluorene	2,301,000	26,371,000	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Indeno(1,2,3-cd)pyrene	--	--	--	ND / < 29.4	ND / < 26.3	33.5	ND / < 23.4	ND / < 23.0
2-Methylnaphthalene	--	--	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Naphthalene	1,200	7,200	--	ND / < 29.4	ND / < 26.3	ND / < 27.9	ND / < 23.4	ND / < 23.0
Phenanthrene	--	--	--	ND / < 29.4	ND / < 26.3	76.0	ND / < 23.4	ND / < 23.0
Pyrene	--	--	--	ND / < 29.4	ND / < 26.3	59.2	ND / < 23.4	ND / < 23.0
BaP Toxic Equiv. Quotient	70	1540	580	ND / < 19.3	31.1	85.1	ND / < 15.3	ND / < 15.1
Pb & As								
Total Lead	--	--	111	9.0	15	18	5.1	4.4
Total Arsenic	--	--	16	ND / < 1.3	1.2	1.2	1.8	1.6

NOTES:

- All standards as listed are from Appendix A - § 35-APX-A1 - Soil Standards in the VT Investigation and Remediation of Contaminated Properties Rule, Effective February 23, 2024
- "ND/<X" = Not Detected above method detection Limit shown.
- Benzo(a)pyrene toxic equivalents B(a)PTEQ calculation from Vermont General Screening Values For Soil, updated January 2023.
- Results reported above the method detection limit are indicated in bold.
- Results shaded **YELLOW** are above Resident Vermont Soil Standard.





APPENDIX 3

TEST PIT LOGS

Test Pit Logs, PZ-1 through PZ-4



TEST PIT LOG
PIEZOMETER CONSTRUCTION RECORD
TP-1 / PZ-1

Site Name: Hard'ack Recreational Area
Location: Northeast corner of field

WHEM Project # 2025-13 Date Installed: 5/15/2025
 Installed by : Chandler Noyes, Miles Waite Install Method: Test pits + hand-installation
 Logged by: Chandler Noyes, Miles Waite Sampling Method: N/A
 Development Method: Peri-purge

Depth (ft)	Piezometer Construction	Interval (ft)	PID (ppm)	Soil Characteristics	Letter Symbol	Graphic
4.0						
3.0			0.0			
2.0			0.0			
1.0	Stickup		0.0			
0.0	Grade		0.0			
1.0	Ft<Grade		0.0	0-14": Loam, friable, with roots	SM	
2.0			0.0	14-91": Silt loam, no cobbles until 85", mottles starting at 23"	SM	
3.0			0.0		SM	
4.0			0.0		SM	
5.0			0.0		SM	
6.0			0.0		SM	
7.0			0.0		SM	
8.0						

Legend

- Road Box with Bolt Down Cover, Set in Ground Surface.
- Existing Surface.
- Bentonite Seal Placed in Annulus
- Slotted section Pre-pack
- Grade #1 Silica Sand Pack
- Gripper Plug.
- 2" ID, Schedule 40 PVC Riser
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen wrapped in filter fabric
- Approximate Water Level During Test Pitting, below grade.



TEST PIT LOG
PIEZOMETER CONSTRUCTION RECORD
TP-14 / PZ-3

Site Name: Hard'ack Recreational Area
Location: Center of field

WHEM Project # 2025-13 Date Installed: 5/15/2025
 Installed by : Chandler Noyes, Miles Waite Install Method: Test pits + hand-installation
 Logged by: Chandler Noyes, Miles Waite Sampling Method: N/A
 Development Method: Peri-purge

Depth (ft)	Piezometer Construction	Interval (ft)	PID (ppm)	Soil Characteristics	Letter Symbol	Graphic
4.0						
3.0						
2.0			0.0			
1.0	Stickup		0.0			
0.0	Grade		0.0			
1.0	Ft<Grade		0.0	0-10": Loam	SM	
2.0			0.0	10-95": Very fine sandy loam grading to fine sandy loam, mottles at 17"	SM	
3.0			0.0		SM	
4.0			0.0		SM	
5.0			0.0		SM	
6.0			0.0		SM	
7.0			0.0		SM	
8.0			0.0		SM	

Legend

- Road Box with Bolt Down Cover, Set in Ground Surface.
- Existing Surface.
- Bentonite Seal Placed in Annulus
- Slotted section Pre-pack
- Grade #1 Silica Sand Pack
- Gripper Plug.
- 2" ID, Schedule 40 PVC Riser
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- wrapped in filter fabric
- Approximate Water Level During Test Pitting, below grade.



TEST PIT LOG
PIEZOMETER CONSTRUCTION RECORD
TP-19 / PZ-4

Site Name: Hard'ack Recreational Area

Location: Southeast corner of field

WHEM Project # 2025-13	Date Installed: 5/15/2025
Installed by : Chandler Noyes, Miles Waite	Install Method: Test pits + hand-installation
Logged by: Chandler Noyes, Miles Waite	Sampling Method: N/A
Development Method: Peri-purge at later date	

Interval (ft)	Piezometer Construction	Interval (ft)	PID (ppm)	Soil Characteristics	Letter Symbol	Graphic
4.0						
3.0			0.0			
2.0			0.0			
1.0	Stickup		0.0			
0.0	Grade		0.0			
1.0	Ft<Grade		0.0	0-10": Loam, friable	SM	
2.0			0.0	10-60": Very fine sandy loam grading to fine sandy loam, mottles at 17"	SM	
3.0			0.0		SM	
4.0			0.0	Seep at 40"	SM	
5.0			0.0		SM	
6.0			0.0	60-95": Very fine sandy loam grading to fine sandy loam, cobbles beginning at 60"	SM	
7.0			0.0		SM	
8.0			0.0		SM	

Legend

- | | |
|--|---|
| <ul style="list-style-type: none"> Road Box with Bolt Down Cover, Set in Ground Surface. Existing Surface. Bentonite Seal Placed in Annulus Slotted section Pre-pack Grade #1 Silica Sand Pack | <ul style="list-style-type: none"> Gripper Plug. 2" ID, Schedule 40 PVC Riser 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen wrapped in filter fabric Approximate Water Level During Test Pitting, below grade. |
|--|---|

APPENDIX 4

LABORATORY REPORTS

Soil – Endyne #2505-14637
Groundwater – Endyne #2506-18012



Waite-Heindel Environmental
 231 So Union Street Suite 201 100675
 Burlington, VT 05401
 Atten: Miles Waite

PROJECT: Hard'ack
 WORK ORDER: 2505-14637
 DATE RECEIVED: May 15, 2025
 DATE REPORTED: June 03, 2025
 SAMPLER: CN/MW

Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields. The Williston, VT facility is also ISO/IEC 17025:2017 accredited for Total Coliform and E coli by SM9223B.

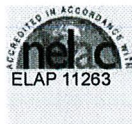
The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory.

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
 Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
 Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
 Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

001 Site: TP-1-0.5' Date Sampled: 5/15/25 Time: 8:40

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/20/25	W MLR	A	
Arsenic, Total	1.4	mg/Kg Dry	EPA 6010C	5/29/25 14:56	W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/29/25 14:14	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 13.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 13.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 26.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 17.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	65	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	71	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	88	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

002 Site: TP-1-4.0' Date Sampled: 5/15/25 Time: 8:42

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/20/25	W MLR	A	
Arsenic, Total	2.5	mg/Kg Dry	EPA 6010C	5/29/25 15:02	W MLR	A	
Lead, Total	5.9	mg/Kg Dry	EPA 6010C	5/29/25 15:02	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

002 Site: TP-1-4.0'

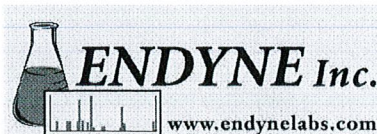
Date Sampled: 5/15/25 Time: 8:42

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Pyrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 11.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 11.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 15.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	46	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	58	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	82	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

003 Site: TP-1-7.5'

Date Sampled: 5/15/25 Time: 8:45

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.8	mg/Kg Dry	EPA 6010C	5/30/25 19:17	W MLR	A	
Lead, Total	4.0	mg/Kg Dry	EPA 6010C	5/30/25 18:59	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 10.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 10.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 14.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	30	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	30	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	85	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	0		EPA 8270D	6/2/25	W EEP	U	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

004 Site: TP-3-0.5' Date Sampled: 5/15/25 Time: 9:07

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.1	mg/Kg Dry	EPA 6010C	5/30/25 19:29	W MLR	A	
Lead, Total	7.4	mg/Kg Dry	EPA 6010C	5/30/25 19:23	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 13.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 13.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 26.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 17.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	58	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	72	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	85	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

005 Site: TP-9-0.5' Date Sampled: 5/15/25 Time: 9:15

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.6	mg/Kg Dry	EPA 6010C	5/30/25 19:40	W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/30/25 19:34	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

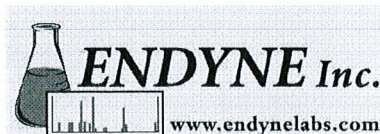
DATE RECEIVED: 05/15/2025

005 Site: TP-9-0.5' Date Sampled: 5/15/25 Time: 9:15

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 16.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 16.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 32.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 21.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	57	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	70	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	82	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

006 Site: TP-9-4.0' Date Sampled: 5/15/25 Time: 9:17

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.9	mg/Kg Dry	EPA 6010C	5/30/25 19:52	W MLR	A	
Lead, Total	5.7	mg/Kg Dry	EPA 6010C	5/30/25 19:46	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 11.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 11.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 22.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 14.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	51	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	62	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	84	%	EPA 8270D	6/2/25	W EEP	U	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

006 Site: TP-9-4.0' Date Sampled: 5/15/25 Time: 9:17

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Unidentified Peaks	0		EPA 8270D	6/2/25	W EEP	U	

007 Site: TP-7-0.5' Date Sampled: 5/15/25 Time: 9:41

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.3	mg/Kg Dry	EPA 6010C	5/30/25 20:03	W MLR	A	
Lead, Total	8.7	mg/Kg Dry	EPA 6010C	5/30/25 19:58	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 14.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 14.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 29.4	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 19.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	59	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	72	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	83	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

008 Site: TP-10-0.5' Date Sampled: 5/15/25 Time: 9:51

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.2	mg/Kg Dry	EPA 6010C	5/30/25 20:47	W MLR	A	
Lead, Total	9.6	mg/Kg Dry	EPA 6010C	5/30/25 20:41	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

008

Site: TP-10-0.5'

Date Sampled: 5/15/25

Time: 9:51

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Acenaphthene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 14.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 14.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 29.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 19.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	54	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	64	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	82	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

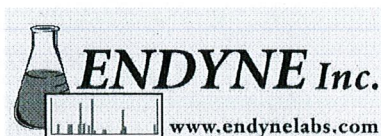
009

Site: TP-12-0.5'

Date Sampled: 5/15/25

Time: 10:02

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.4	mg/Kg Dry	EPA 6010C	5/30/25 20:58	W MLR	A	
Lead, Total	9.7	mg/Kg Dry	EPA 6010C	5/30/25 20:52	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 15.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 15.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 31.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

009 Site: TP-12-0.5' Date Sampled: 5/15/25 Time: 10:02

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
BaP Toxic Equiv. Quotient	< 20.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	62	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	73	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	90	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

010 Site: TP-14-0.5' Date Sampled: 5/15/25 Time: 10:10

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.8	mg/Kg Dry	EPA 6010C	5/30/25 21:10	W MLR	A	
Lead, Total	7.9	mg/Kg Dry	EPA 6010C	5/30/25 21:04	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 16.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 16.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 33.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 21.8	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	63	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	74	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	91	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

011 Site: TP-14-4.0' Date Sampled: 5/15/25 Time: 10:12

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.9	mg/Kg Dry	EPA 6010C	5/30/25 21:22	W MLR	A	
Lead, Total	4.5	mg/Kg Dry	EPA 6010C	5/30/25 21:16	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

011 Site: TP-14-4.0'

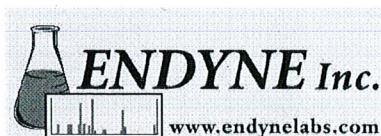
Date Sampled: 5/15/25 Time: 10:12

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Naphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	< 11.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 11.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 23.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 15.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	59	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	70	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	86	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	4		EPA 8270D	6/2/25	W EEP	U	

012 Site: TP-16-0.5'

Date Sampled: 5/15/25 Time: 10:37

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.3	mg/Kg Dry	EPA 6010C	5/30/25 21:33	W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/30/25 21:28	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

012 Site: TP-16-0.5' Date Sampled: 5/15/25 Time: 10:37

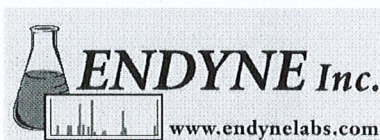
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Benzo(a)pyrene	< 15.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 15.6	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 31.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 20.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	61	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	72	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	87	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

013 Site: TP-18-0.5' Date Sampled: 5/15/25 Time: 10:47

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.2	mg/Kg Dry	EPA 6010C	5/30/25 22:17	W MLR	A	
Lead, Total	15	mg/Kg Dry	EPA 6010C	5/30/25 22:11	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	20.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	< 13.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	< 26.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	31.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	58	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	71	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	85	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

014 Site: TP-19-0.5' Date Sampled: 5/15/25 Time: 10:55

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

014 Site: TP-19-0.5'

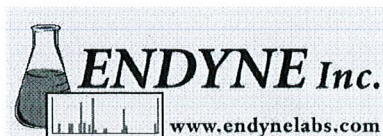
Date Sampled: 5/15/25 Time: 10:55

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Arsenic, Total	1.2	mg/Kg Dry	EPA 6010C	5/30/25 22:22	W MLR	A	
Lead, Total	18	mg/Kg Dry	EPA 6010C	5/30/25 22:22	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
2-Methylnaphthalene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
1-Methylnaphthalene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
Acenaphthylene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Acenaphthene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluorene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Phenanthrene	76.0	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Anthracene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Fluoranthene	105	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Pyrene	97.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)anthracene	59.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Chrysene	58.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(b)fluoranthene	69.3	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(k)fluoranthene	< 27.9	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(a)pyrene	54.2	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	33.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Dibenzo(a,h)anthracene	14.5	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
Benzo(g,h,i)perylene	35.7	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	A	
BaP Toxic Equiv. Quotient	85.1	ug/Kg, dry	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	60	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	70	%	EPA 8270D	6/2/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	91	%	EPA 8270D	6/2/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/2/25	W EEP	U	

015 Site: TP-19-4.0'

Date Sampled: 5/15/25 Time: 10:57

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.8	mg/Kg Dry	EPA 6010C	5/30/25 22:40	W MLR	A	
Lead, Total	5.1	mg/Kg Dry	EPA 6010C	5/30/25 22:34	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

015 Site: TP-19-4.0' Date Sampled: 5/15/25 Time: 10:57

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Benzo(a)anthracene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 11.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 11.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 23.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 15.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	51	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	64	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	88	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	1		EPA 8270D	6/3/25	W EEP	U	

016 Site: TP-19-8.0' Date Sampled: 5/15/25 Time: 11:00

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.6	mg/Kg Dry	EPA 6010C	5/30/25 22:52	W MLR	A	
Lead, Total	4.4	mg/Kg Dry	EPA 6010C	5/30/25 22:46	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 11.5	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 11.5	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 23.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 15.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	50	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	63	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	86	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	8		EPA 8270D	6/3/25	W EEP	U	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

017

Site: SS-2-0.5'

Date Sampled: 5/15/25

Time: 12:05

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.2	mg/Kg Dry	EPA 6010C	5/30/25 23:04	W MLR	A	
Lead, Total	8.2	mg/Kg Dry	EPA 6010C	5/30/25 22:58	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 14.5	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 14.5	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 29.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 19.0	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	59	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	69	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	82	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

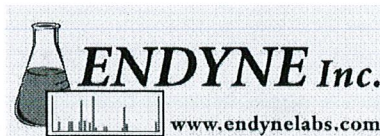
018

Site: SS-4-0.5'

Date Sampled: 5/15/25

Time: 12:20

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.4	mg/Kg Dry	EPA 6010C	5/30/25 23:47	W MLR	A	
Lead, Total	9.1	mg/Kg Dry	EPA 6010C	5/30/25 23:41	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

018 Site: SS-4-0.5' Date Sampled: 5/15/25 Time: 12:20

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Pyrene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 15.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 15.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 31.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 20.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	52	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	65	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	79	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

019 Site: SS-5-0.5' Date Sampled: 5/15/25 Time: 12:25

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.5	mg/Kg Dry	EPA 6010C	5/30/25 23:59	W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/30/25 23:53	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	M-
Acenaphthene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	M-
Phenanthrene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	M-
Fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	M-
Pyrene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 16.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 16.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 32.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 21.1	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	43	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	44	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	64	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ackWORK ORDER: 2505-14637
DATE RECEIVED: 05/15/2025

020 Site: SS-8-0.5'

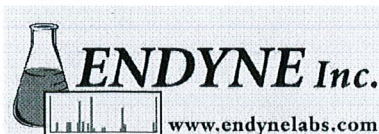
Date Sampled: 5/15/25 Time: 12:36

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.5	mg/Kg Dry	EPA 6010C	5/31/25	0:10 W MLR	A	
Lead, Total	10	mg/Kg Dry	EPA 6010C	5/31/25	0:04 W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 16.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 16.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 33.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 21.9	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	44	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	60	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	80	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

021 Site: SS-6-0.5'

Date Sampled: 5/15/25 Time: 12:42

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	1.4	mg/Kg Dry	EPA 6010C	5/31/25	0:22 W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/31/25	0:16 W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

021 Site: SS-6-0.5' Date Sampled: 5/15/25 Time: 12:42

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Fluoranthene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 17.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 17.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 34.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 22.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	48	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	58	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	81	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

022 Site: SS-11-0.5' Date Sampled: 5/15/25 Time: 12:50

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/21/25	W MLR	A	
Arsenic, Total	< 1.4	mg/Kg Dry	EPA 6010C	5/31/25	0:33 W MLR	A	
Lead, Total	11	mg/Kg Dry	EPA 6010C	5/31/25	0:27 W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 15.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 15.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 31.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 20.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	52	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	62	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	78	%	EPA 8270D	6/3/25	W EEP	U	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

022 Site: SS-11-0.5' Date Sampled: 5/15/25 Time: 12:50

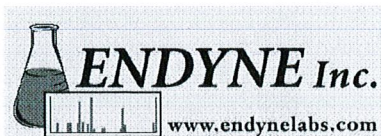
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

023 Site: SS-13-0.5' Date Sampled: 5/15/25 Time: 12:52

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/27/25	W MLR	A	
Arsenic, Total	< 1.2	mg/Kg Dry	EPA 6010C	5/30/25 13:16	W MLR	A	
Lead, Total	7.4	mg/Kg Dry	EPA 6010C	5/30/25 12:59	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 14.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 14.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 28.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 18.9	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	51	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	65	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	76	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

024 Site: SS-15-0.5' Date Sampled: 5/15/25 Time: 12:55

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/27/25	W MLR	A	
Arsenic, Total	< 1.6	mg/Kg Dry	EPA 6010C	5/30/25 13:28	W MLR	A	
Lead, Total	14	mg/Kg Dry	EPA 6010C	5/30/25 13:22	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	



Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

024 Site: SS-15-0.5' Date Sampled: 5/15/25 Time: 12:55

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Acenaphthene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 18.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 18.6	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 37.2	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
BaP Toxic Equiv. Quotient	< 24.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	50	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	60	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	76	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

025 Site: SS-17-0.5' Date Sampled: 5/15/25 Time: 13:01

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Metals Solids Digestion	Digested		EPA 3050B	5/27/25	W MLR	A	
Arsenic, Total	< 1.3	mg/Kg Dry	EPA 6010C	5/30/25 13:40	W MLR	A	
Lead, Total	9.0	mg/Kg Dry	EPA 6010C	5/30/25 13:34	W MLR	A	
Poly-Aromatic Hydrocarbons							
Extraction	Completed		EPA 3550C	5/27/25	W JCM	A	
Naphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
2-Methylnaphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
1-Methylnaphthalene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
Acenaphthylene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Acenaphthene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluorene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Phenanthrene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Anthracene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Pyrene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)anthracene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Chrysene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(b)fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(k)fluoranthene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(a)pyrene	< 14.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Indeno(1,2,3-cd)pyrene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Dibenzo(a,h)anthracene	< 14.7	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	
Benzo(g,h,i)perylene	< 29.4	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	A	

Laboratory Report

DATE REPORTED: 06/03/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2505-14637

PROJECT: Hard'ack

DATE RECEIVED: 05/15/2025

025

Site: SS-17-0.5'

Date Sampled: 5/15/25

Time: 13:01

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date/Time</u>	<u>Lab/Tech</u>	<u>NELAC</u>	<u>Qual.</u>
BaP Toxic Equiv. Quotient	< 19.3	ug/Kg, dry	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.1 Nitrobenzene-d5	40	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.2 2-Fluorobiphenyl	60	%	EPA 8270D	6/3/25	W EEP	U	
B/N Surr.3 Terphenyl-d14	78	%	EPA 8270D	6/3/25	W EEP	U	
Unidentified Peaks	>10		EPA 8270D	6/3/25	W EEP	U	

Report Summary of Qualifiers and Notes

M-: The Laboratory Fortified Matrix (LFM) analysis had a recovery lower than defined acceptance limits. This indicates a potential negative bias in the reported value or a difficult sample matrix that resulted in poor reproducibility between sample aliquots selected for analysis.

Do Not use this form for WSILD Samples or Residential Drinking Water Samples

ENDYNE 160 James Brown Dr. Williston VT 05485
Ph 802-575-4333

Chain-of-Custody-Record

Required Fields

PO#

EMAIL Cherys@vdfire.com

*Project Name: Hardwick

*Company Name: W H Cw

*Sampler Name: Chandler Hayes & Miles W/ie

*State of Origin: VT NY NH Other

*Phone #

*Billing Address: W H Cw

*Mailing Address: W H Cw

*Sample Location

Please Print Clearly

*Matrix

GRAB

COMP

*Date/Time Sampled

Container Volume, Ex. 16oz, 1/2 gal.

Sample Preservation

*Analysis Required: Enter Number from Choices Below

Field Results/Remarks

TP-1-0.5'	Soil	X		05/15/25 @ 0840	@ 0842	1-8oz 1-4oz 1-2oz			PAHs, Pb, As		
TP-1-4.0'				@ 0845	@ 0842						
TP-1-7.5'				@ 0907	@ 0912						
TP-3-0.5'				@ 0915	@ 0912						
TP-9-0.5'				@ 0915	@ 1012						
TP-9-4.0'				@ 0913	@ 1012						
TP-9-0.5'				@ 0915	@ 1012						
TP-10-0.5'				@ 0951	@ 1012						
TP-12-0.5'				@ 1002	@ 1012						
TP-14-0.5'				@ 1012	@ 1012						
TP-14-4.0'				@ 1012	@ 1012						
TP-16-0.5'				@ 1037	@ 1037						
*Relinquished By: <u>[Signature]</u>		Date/Time		Received By: <u>[Signature]</u>		Date/Time		Received By: <u>[Signature]</u>		Date/Time	
		05/15/25 @ 1420				5-15-25				1420	
1. pH	6. TKN	11. Total Solids	16. Sulfate	21. F.O.G	26. 8270 BIN only 827B-W	31. PP13 Metals	PP13-W	Lab Use Only Below			
2. Chloride	7. TP	12. TSS	17. E. coli	22. 8015 GRO	27. 8270 Acid only 827A-W	32. Total RCRA 8 Metals	RCRA8-W	Delivery: <u>C. [Signature]</u>			
3. Ammonia N	8. TDP	13. TDS	18. COD	23. 8015 DRO	28. 8270 PAH Only 827P	33. Corrosivity		Temp C: <u>22</u>			
4. Nitrate N	9. BOD	14. Turbidity	19. VOC 8021B	24. Full 8260 NH60-W	29. 8081 Pest. 881-W	34. Ignitability		Delivered on ice <u>Y</u>			
5. Nitrite N	10. Alkalinity	15. Conductivity	20. 8280 Halocarbons HAL60	25. Full 8270 827-W	30. 8082 PCB 882-W	35. Reactivity					
36. Metals (Total or Diss. Ag Al AS B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pd) Sb Se Sn TI U V Zn (circle)											
37. TCLP (circle) Metals, Volatiles, Semi-volatiles, Pesticides, Herbicides											
38. PFAS (circle) Drinking Water											
39. Other:											

2505-14637

 2505-14637
 Mate-Heindel Environmental
 Hardwick



150 James Brown Dr. Williston VT 05495
Ph 802-879-4333

Chain-of-Custody-Record

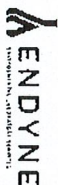
*Required Fields

Do Not use this form for WSID Samples or Residential Drinking Water Samples

PO# _____ *EMAIL _____

*Project Name: <u>Hardy</u>		*Company Name: <u>W H G W</u>		*Sampler Name: <u>Chandler Nopes & Miles Wick</u>	
State of Origin: <u>VT</u> NY NH Other		*Phone #		*Phone # <u>802-373-7061</u>	
*Sample Location: <u>TP-18-0.5'</u>		*Mailing Address: <u>W H G W</u>		*Billing Address: <u>W H G W</u>	
Please Print Clearly		*Date/Time Sampled		*Analysis Required: Enter Number from Choices Below	
Matrix		Container Volume, Ex. 16oz, 1/2 gal.		Field Results/Remarks	
TP-18-0.5'		1-8oz		PAHs, Pb, As	
TP-19-4.0'		1-4oz			
TP-19-8.0'		1-2oz			
SS-2-0.5'		@ 1053			
SS-4-0.5'		@ 1100			
SS-8-0.5'		@ 1205			
SS-11-0.5'		@ 1220			
SS-13-0.5'		@ 1225			
SS-15-0.5'		@ 1236			
SS-15-0.5'		@ 1242			
SS-15-0.5'		@ 1250			
SS-15-0.5'		@ 1252			
SS-15-0.5'		@ 1255			
*Relinquished By: <u>[Signature]</u>		Date/Time: <u>05/15/15</u>		Received By: <u>[Signature]</u>	
Date/Time: <u>05/15/15</u>		Date/Time: <u>05/15/15</u>		Date/Time: <u>05/15/15</u>	
1. pH		6. TKN		11. Total Solids	
2. Chloride		7. TP		12. TSS	
3. Ammonia N		8. TDP		13. TDS	
4. Nitrate N		9. BOD		14. Turbidity	
5. Nitrite N		10. Alkalinity		15. Conductivity	
36. Metals Total or Diss. Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sn Ti U V Zn (circle)		20. 8260 Halocarbons HAL60		21. F.O.G	
37. TCLP (circle) Metals, Volatiles, Semi-volatiles, Pesticides, Herbicides		22. 8015 GRO		23. 8015 DRO	
38. PFAS (circle) Drinking Water Non-potable Solid		24. Full 8270 827-W Low Level or High Level		25. Full 8270 827-W	
39. Other:		26. 8270 B/N only 827B-W		27. 8270 Acid only 827A-W	
		28. 8270 PAH Only 827P		29. 8081 Pest 881-W	
		30. 8082 PCB 882-W		31. PP13 Metals PP13-W	
		32. Total RCRA 8 Metals RCRA8-W		33. Corrosivity	
		34. Ignitability		35. Reactivity	
		35. Reactivity			

Do Not use this form for WSID Samples or Residential Drinking Water Samples



180 James Brown Dr. Williston VT 05495
Ph 802-879-4333

Chain-of-Custody-Record

*Required Fields

PO#

*EMAIL

*Project Name: Herdick

*Company Name: WHELAN

*Sampler Name: Christine Hayes & Miles White

*State of Origin: VT NY NH Other

*Phone #: WHELAN

*Billing Address: WHELAN

*Sample Location

Please Print Clearly

*Matrix

GRAB

COMP

*Date/Time Sampled

Container Volume, Ex. 16oz, 1/2 gal.

Sample Preservation

*Analysis Required: Enter Number from Choices Below

Field Results/Remarks

SS-17-0.5'

Soil

X

05/15/25 (Phys)

1-5 oz 1-4 oz 1-oz

PAHs, Pb, As

*Relinquished By:

Date/Time

Received By:

Date/Time

Received By:

Date/Time

1. pH

6. TKN

11. Total Solids

16. Sulfate

21. F.O.G

26. 8270 B/N only 827B-W

31. PP13 Metals PP13-W

37. Total RCRA 8 Metals RCRA8-W

Lab Use Only Below Delivery

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

2. Chloride

7. TP

12. TSS

17. E. coli

22. 8015 GRO

27. 8270 Acid only 827A-W

32. Total RCRA 8 Metals RCRA8-W

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

3. Ammonia N

8. TDP

13. TDS

18. COD

23. 8015 DR0

28. 8270 PAH Only 827P

33. Corrosivity

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

4. Nitrate N

9. BOD

14. Turbidity

19. VOC 8021B VT21-W/Low

24. Full 8260 NH60-W Low Level or High Level

29. 8081 Pest 881-W

34. Ignitability

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

5. Nitrite N

10. Alkalinity

15. Conductivity

20. 8260 Halocarbons HAL60

25. Full 8270 827-W

30. 8082 PCB 882-W

35. Reactivity

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

36. Metals

Total or Diss

Ag Al B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sn TI U V Zn (circle)

37. TCLP (circle) Metals, Volatiles, Semi-volatiles, Pesticides, Herbicides

38. PFAS (circle) Drinking Water

Non-potable

Solid

Temp C:

Delivered on ice

N

05/15/25

01/20

5-15-25

1020

39. Other:



Laboratory Report

Waite-Heindel Environmental	100675
-----------------------------	--------

231 So Union Street Suite 201

Burlington, VT 05401

Atten: Miles Waite

PROJECT: Hard'ack

WORK ORDER: **2506-18012**

DATE RECEIVED: June 11, 2025

DATE REPORTED: June 18, 2025

SAMPLER: Adam Walton

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director



160 James Brown Dr., Williston, VT 05495
Ph 802-879-4333 Fax 802-879-7103

www.endynelabs.com

56 Etna Road, Lebanon, NH 03755
Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

001 Site: PZ-1 Date Sampled: 6/11/25 Time: 11:20

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Mercury Digestion	Digested		EPA 245.1	6/17/25	W RSB	A	
Metals Digestion	Digested		EPA 3015A	6/13/25	W MLR	A	
Arsenic, Total	0.0057	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Barium, Total	0.072	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Cadmium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Chromium, Total	< 0.0050	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Lead, Total	0.0018	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Mercury, Total	< 0.0002	mg/L	EPA 245.1	6/17/25	W RSB	A	
Selenium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	
Silver, Total	< 0.010	mg/L	EPA 6020B	6/17/25 13:07	W MGT	A	

002 Site: PZ-2 Date Sampled: 6/11/25 Time: 12:00

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Mercury Digestion	Digested		EPA 245.1	6/17/25	W RSB	A	
Metals Digestion	Digested		EPA 3015A	6/13/25	W MLR	A	
Arsenic, Total	0.0037	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Barium, Total	0.057	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Cadmium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Chromium, Total	< 0.0050	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Lead, Total	0.0018	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Mercury, Total	< 0.0002	mg/L	EPA 245.1	6/17/25	W RSB	A	
Selenium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	
Silver, Total	< 0.010	mg/L	EPA 6020B	6/17/25 13:10	W MGT	A	

003 Site: PZ-3 Date Sampled: 6/11/25 Time: 12:40

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Mercury Digestion	Digested		EPA 245.1	6/17/25	W RSB	A	
Metals Digestion	Digested		EPA 3015A	6/13/25	W MLR	A	
Arsenic, Total	0.0022	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Barium, Total	0.050	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Cadmium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Chromium, Total	< 0.0050	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Lead, Total	0.0017	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Mercury, Total	< 0.0002	mg/L	EPA 245.1	6/17/25	W RSB	A	
Selenium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	
Silver, Total	< 0.010	mg/L	EPA 6020B	6/17/25 13:18	W MGT	A	

004 Site: PZ-4 Date Sampled: 6/11/25 Time: 10:40

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Mercury Digestion	Digested		EPA 245.1	6/17/25	W RSB	A	
Metals Digestion	Digested		EPA 3015A	6/13/25	W MLR	A	
Arsenic, Total	0.0051	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	
Barium, Total	0.097	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	
Cadmium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	



Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

004 Site: PZ-4 Date Sampled: 6/11/25 Time: 10:40

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Chromium, Total	0.0109	mg/L	EPA 6020B	6/17/25 13:40	W MGT	A	
Lead, Total	0.0055	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	
Mercury, Total	< 0.0002	mg/L	EPA 245.1	6/17/25	W RSB	A	
Selenium, Total	0.0026	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	
Silver, Total	< 0.010	mg/L	EPA 6020B	6/17/25 13:21	W MGT	A	

005 Site: Dup Date Sampled: 6/11/25 Time:

Parameter	Result	Units	Method	Analysis Date	Lab/Tech	NELAC	Qual.
Mercury Digestion	Digested		EPA 245.1	6/17/25	W RSB	A	
Metals Digestion	Digested		EPA 3015A	6/13/25	W MLR	A	
Arsenic, Total	0.0015	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Barium, Total	0.041	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Cadmium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Chromium, Total	< 0.0050	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Lead, Total	0.0012	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Mercury, Total	< 0.0002	mg/L	EPA 245.1	6/17/25	W RSB	A	
Selenium, Total	< 0.0020	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	
Silver, Total	< 0.010	mg/L	EPA 6020B	6/17/25 13:23	W MGT	A	

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8270D

001 Site: PZ-1				Sampled: 6/11/25 11:20		Test Date: 6/16/25		W MCA	
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Extraction EPA 3510C	Extracted		A		N-Nitrosodimethylamine	< 5.0	ug/L	A	
Pyridine	< 10.0	ug/L	A		Aniline	< 10.0	ug/L	N	
Bis(2-chloroethyl)ether	< 5.0	ug/L	A		1,2-Dichlorobenzene	< 2.0	ug/L	A	
1,3-Dichlorobenzene	< 2.0	ug/L	A		1,4-Dichlorobenzene	< 2.0	ug/L	A	
Benzyl alcohol	< 20.0	ug/L	N		2,2'-Oxybis(1-chloropropane)	< 5.0	ug/L	A	
N-Nitrosodi-n-propylamine	< 10.0	ug/L	A		Hexachloroethane	< 5.0	ug/L	A	
Nitrobenzene	< 5.0	ug/L	A		N-Nitrosopiperidine	< 10.0	ug/L	N	
Isophorone	< 2.0	ug/L	A		Bis(2-chloroethoxy)methane	< 5.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		Naphthalene	< 0.5	ug/L	A	
4-Chloroaniline	< 5.0	ug/L	N		Hexachlorobutadiene	< 5.0	ug/L	A	
N-Nitrosodi-n-butylamine	< 5.0	ug/L	N		2-Methylnaphthalene	< 0.5	ug/L	A	
1-Methylnaphthalene	< 0.5	ug/L	U		Hexachlorocyclopentadiene	< 20.0	ug/L	A	
2-Chloronaphthalene	< 2.0	ug/L	A		1-Chloronaphthalene	< 2.0	ug/L	N	
2-Nitroaniline	< 20.0	ug/L	N		Dimethyl phthalate	< 2.0	ug/L	A	
2,6-Dinitrotoluene	< 5.0	ug/L	A		Acenaphthylene	< 0.5	ug/L	A	
3-Nitroaniline	< 5.0	ug/L	N		Acenaphthene	< 0.5	ug/L	A	
Dibenzofuran	< 2.0	ug/L	N		2,4-Dinitrotoluene	< 5.0	ug/L	A	
1-Naphthylamine	< 10.0	ug/L	N		2-Naphthylamine	< 10.0	ug/L	N	
Fluorene	< 0.5	ug/L	A		Diethyl phthalate	< 5.0	ug/L	A	
4-Chlorophenyl phenyl ether	< 2.0	ug/L	A		4-Nitroaniline	< 20.0	ug/L	N	
N-Nitrosodiphenylamine	< 5.0	ug/L	A		Azobenzene/1,2-Diphenylhydrazine	< 5.0	ug/L	U	
4-Bromophenyl phenyl ether	< 2.0	ug/L	A		Hexachlorobenzene	< 1.0	ug/L	A	
Phenanthrene	< 0.5	ug/L	A		Anthracene	< 0.5	ug/L	A	
Carbazole	< 5.0	ug/L	N		Di-n-butylphthalate	< 5.0	ug/L	A	
Fluoranthene	< 0.5	ug/L	A		Benzidine	< 20.0	ug/L	A	QA-
Pyrene	< 0.5	ug/L	A		Butyl benzyl phthalate	< 5.0	ug/L	A	
Benzo(a)anthracene	< 0.5	ug/L	A		Chrysene	< 0.5	ug/L	A	
3,3'-Dichlorobenzidine	< 5.0	ug/L	A		Bis(2-ethylhexyl)phthalate	< 5.0	ug/L	A	
Di-n-octylphthalate	< 5.0	ug/L	A		Benzo(b)fluoranthene	< 0.5	ug/L	A	
Benzo(k)fluoranthene	< 0.5	ug/L	A		Benzo(a)pyrene	< 0.5	ug/L	A	
Indeno(1,2,3-cd)pyrene	< 0.5	ug/L	A		Dibenzo(a,h)anthracene	< 0.5	ug/L	A	
Benzo(g,h,i)perylene	< 0.5	ug/L	A		Phenol	8.0	ug/L	A	
2-Chlorophenol	< 5.0	ug/L	A		2-Methylphenol (o-cresol)	< 2.0	ug/L	A	
3&4-Methylphenol (m&p-cresol)	42.1	ug/L	A		Cresols, Total	42.1	ug/L	A	
2-Nitrophenol	< 10.0	ug/L	A		2,4-Dimethylphenol	< 5.0	ug/L	A	
2,4-Dichlorophenol	< 5.0	ug/L	A		2,6-Dichlorophenol	< 5.0	ug/L	N	
4-Chloro-3-methylphenol	< 5.0	ug/L	A		2,4,5-Trichlorophenol	< 10.0	ug/L	A	
2,4,6-Trichlorophenol	< 10.0	ug/L	A		2,4-Dinitrophenol	< 20.0	ug/L	A	
4-Nitrophenol	< 5.0	ug/L	A		4,6-Dinitro-2-methylphenol	< 20.0	ug/L	A	
Pentachlorophenol	< 10.0	ug/L	A		BaP Toxic Equiv. Quotient	< 0.6	ug/L	U	
B/N Surr.1 Nitrobenzene-d5	63	%	A		B/N Surr.2 2-Fluorobiphenyl	74	%	A	
B/N Surr.3 Terphenyl-d14	89	%	A		Acid Surr.1 2-Fluorophenol	33	%	A	
Acid Surr.2 Phenol-d5	27	%	A		Acid Surr.3 Tribromophenol	83	%	A	
Unidentified Peaks	>10		U						

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2506-18012

PROJECT: Hard'ack

DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

001 Site: PZ-1		Sampled: 6/11/25		11:20		Test Date: 6/16/25		W TRP	
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A	
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A	
Acetone	333	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	16.8	ug/L	A	
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A	
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	< 0.5	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A	
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A	
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A	
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A	
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U	
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A	
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A	
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A	
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A	
Surr. 1 (Dibromofluoromethane)	117	%	A		Surr. 2 (Toluene d8)	101	%	A	
Surr. 3 (4-Bromofluorobenzene)	99	%	A		Unidentified Peaks	3		U	

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8270D

002 Site: PZ-2		Sampled: 6/11/25 12:00		Test Date: 6/16/25		W MCA			
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Extraction EPA 3510C	Extracted		A		N-Nitrosodimethylamine	< 5.0	ug/L	A	
Pyridine	< 10.0	ug/L	A		Aniline	< 10.0	ug/L	N	
Bis(2-chloroethyl)ether	< 5.0	ug/L	A		1,2-Dichlorobenzene	< 2.0	ug/L	A	
1,3-Dichlorobenzene	< 2.0	ug/L	A		1,4-Dichlorobenzene	< 2.0	ug/L	A	
Benzyl alcohol	< 20.0	ug/L	N		2,2'-Oxybis(1-chloropropane)	< 5.0	ug/L	A	
N-Nitrosodi-n-propylamine	< 10.0	ug/L	A		Hexachloroethane	< 5.0	ug/L	A	
Nitrobenzene	< 5.0	ug/L	A		N-Nitrosopiperidine	< 10.0	ug/L	N	
Isophorone	< 2.0	ug/L	A		Bis(2-chloroethoxy)methane	< 5.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		Naphthalene	< 0.5	ug/L	A	
4-Chloroaniline	< 5.0	ug/L	N		Hexachlorobutadiene	< 5.0	ug/L	A	
N-Nitrosodi-n-butylamine	< 5.0	ug/L	N		2-Methylnaphthalene	< 0.5	ug/L	A	
1-Methylnaphthalene	< 0.5	ug/L	U		Hexachlorocyclopentadiene	< 20.0	ug/L	A	
2-Chloronaphthalene	< 2.0	ug/L	A		1-Chloronaphthalene	< 2.0	ug/L	N	
2-Nitroaniline	< 20.0	ug/L	N		Dimethyl phthalate	< 2.0	ug/L	A	
2,6-Dinitrotoluene	< 5.0	ug/L	A		Acenaphthylene	< 0.5	ug/L	A	
3-Nitroaniline	< 5.0	ug/L	N		Acenaphthene	< 0.5	ug/L	A	
Dibenzofuran	< 2.0	ug/L	N		2,4-Dinitrotoluene	< 5.0	ug/L	A	
1-Naphthylamine	< 10.0	ug/L	N		2-Naphthylamine	< 10.0	ug/L	N	
Fluorene	< 0.5	ug/L	A		Diethyl phthalate	< 5.0	ug/L	A	
4-Chlorophenyl phenyl ether	< 2.0	ug/L	A		4-Nitroaniline	< 20.0	ug/L	N	
N-Nitrosodiphenylamine	< 5.0	ug/L	A		Azobenzene/1,2-Diphenylhydrazine	< 5.0	ug/L	U	
4-Bromophenyl phenyl ether	< 2.0	ug/L	A		Hexachlorobenzene	< 1.0	ug/L	A	
Phenanthrene	< 0.5	ug/L	A		Anthracene	< 0.5	ug/L	A	
Carbazole	< 5.0	ug/L	N		Di-n-butylphthalate	< 5.0	ug/L	A	
Fluoranthene	< 0.5	ug/L	A		Benzidine	< 20.0	ug/L	A	QA-
Pyrene	< 0.5	ug/L	A		Butyl benzyl phthalate	< 5.0	ug/L	A	
Benzo(a)anthracene	< 0.5	ug/L	A		Chrysene	< 0.5	ug/L	A	
3,3'-Dichlorobenzidine	< 5.0	ug/L	A		Bis(2-ethylhexyl)phthalate	< 5.0	ug/L	A	
Di-n-octylphthalate	< 5.0	ug/L	A		Benzo(b)fluoranthene	< 0.5	ug/L	A	
Benzo(k)fluoranthene	< 0.5	ug/L	A		Benzo(a)pyrene	< 0.5	ug/L	A	
Indeno(1,2,3-cd)pyrene	< 0.5	ug/L	A		Dibenzo(a,h)anthracene	< 0.5	ug/L	A	
Benzo(g,h,i)perylene	< 0.5	ug/L	A		Phenol	3.0	ug/L	A	
2-Chlorophenol	< 5.0	ug/L	A		2-Methylphenol (o-cresol)	< 2.0	ug/L	A	
3&4-Methylphenol (m&p-cresol)	< 2.0	ug/L	A		Cresols, Total	< 4.0	ug/L	A	
2-Nitrophenol	< 10.0	ug/L	A		2,4-Dimethylphenol	< 5.0	ug/L	A	
2,4-Dichlorophenol	< 5.0	ug/L	A		2,6-Dichlorophenol	< 5.0	ug/L	N	
4-Chloro-3-methylphenol	< 5.0	ug/L	A		2,4,5-Trichlorophenol	< 10.0	ug/L	A	
2,4,6-Trichlorophenol	< 10.0	ug/L	A		2,4-Dinitrophenol	< 20.0	ug/L	A	
4-Nitrophenol	< 5.0	ug/L	A		4,6-Dinitro-2-methylphenol	< 20.0	ug/L	A	
Pentachlorophenol	< 10.0	ug/L	A		BaP Toxic Equiv. Quotient	< 0.6	ug/L	U	
B/N Surr.1 Nitrobenzene-d5	61	%	A		B/N Surr.2 2-Fluorobiphenyl	74	%	A	
B/N Surr.3 Terphenyl-d14	92	%	A		Acid Surr.1 2-Fluorophenol	35	%	A	
Acid Surr.2 Phenol-d5	27	%	A		Acid Surr.3 Tribromophenol	85	%	A	
Unidentified Peaks	>10		U						

Laboratory Report

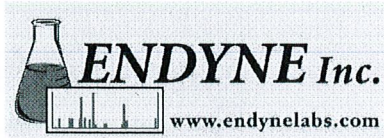
REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

002 Site: PZ-2					Sampled: 6/11/25 12:00		Test Date: 6/16/25		W TRP	
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual	
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A		
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A		
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A		
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A		
Acetone	181	ug/L	A		Carbon disulfide	< 5.0	ug/L	A		
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N		
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A		
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A		
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	18.5	ug/L	A		
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A		
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A		
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A		
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N		
Benzene	< 0.5	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N		
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A		
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A		
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A		
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A		
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A		
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N		
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A		
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A		
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A		
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A		
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A		
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A		
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A		
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A		
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A		
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A		
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A		
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U		
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A		
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A		
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A		
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A		
Surr. 1 (Dibromofluoromethane)	116	%	A		Surr. 2 (Toluene d8)	101	%	A		
Surr. 3 (4-Bromofluorobenzene)	99	%	A		Unidentified Peaks	2		U		



Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8270D

003 Site: PZ-3					Sampled: 6/11/25 12:40		Test Date: 6/16/25 W MCA			
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual	
Extraction EPA 3510C	Extracted		A		N-Nitrosodimethylamine	< 5.0	ug/L	A		
Pyridine	< 10.0	ug/L	A		Aniline	< 10.0	ug/L	N		
Bis(2-chloroethyl)ether	< 5.0	ug/L	A		1,2-Dichlorobenzene	< 2.0	ug/L	A		
1,3-Dichlorobenzene	< 2.0	ug/L	A		1,4-Dichlorobenzene	< 2.0	ug/L	A		
Benzyl alcohol	< 20.0	ug/L	N		2,2'-Oxybis(1-chloropropane)	< 5.0	ug/L	A		
N-Nitrosodi-n-propylamine	< 10.0	ug/L	A		Hexachloroethane	< 5.0	ug/L	A		
Nitrobenzene	< 5.0	ug/L	A		N-Nitrosopiperidine	< 10.0	ug/L	N		
Isophorone	< 2.0	ug/L	A		Bis(2-chloroethoxy)methane	< 5.0	ug/L	A		
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		Naphthalene	< 0.5	ug/L	A		
4-Chloroaniline	< 5.0	ug/L	N		Hexachlorobutadiene	< 5.0	ug/L	A		
N-Nitrosodi-n-butylamine	< 5.0	ug/L	N		2-Methylnaphthalene	< 0.5	ug/L	A		
1-Methylnaphthalene	< 0.5	ug/L	U		Hexachlorocyclopentadiene	< 20.0	ug/L	A		
2-Chloronaphthalene	< 2.0	ug/L	A		1-Chloronaphthalene	< 2.0	ug/L	N		
2-Nitroaniline	< 20.0	ug/L	N		Dimethyl phthalate	< 2.0	ug/L	A		
2,6-Dinitrotoluene	< 5.0	ug/L	A		Acenaphthylene	< 0.5	ug/L	A		
3-Nitroaniline	< 5.0	ug/L	N		Acenaphthene	< 0.5	ug/L	A		
Dibenzofuran	< 2.0	ug/L	N		2,4-Dinitrotoluene	< 5.0	ug/L	A		
1-Naphthylamine	< 10.0	ug/L	N		2-Naphthylamine	< 10.0	ug/L	N		
Fluorene	< 0.5	ug/L	A		Diethyl phthalate	< 5.0	ug/L	A		
4-Chlorophenyl phenyl ether	< 2.0	ug/L	A		4-Nitroaniline	< 20.0	ug/L	N		
N-Nitrosodiphenylamine	< 5.0	ug/L	A		Azobenzene/1,2-Diphenylhydrazine	< 5.0	ug/L	U		
4-Bromophenyl phenyl ether	< 2.0	ug/L	A		Hexachlorobenzene	< 1.0	ug/L	A		
Phenanthrene	< 0.5	ug/L	A		Anthracene	< 0.5	ug/L	A		
Carbazole	< 5.0	ug/L	N		Di-n-butylphthalate	< 5.0	ug/L	A		
Fluoranthene	< 0.5	ug/L	A		Benzidine	< 20.0	ug/L	A	QA-	
Pyrene	< 0.5	ug/L	A		Butyl benzyl phthalate	< 5.0	ug/L	A		
Benzo(a)anthracene	< 0.5	ug/L	A		Chrysene	< 0.5	ug/L	A		
3,3'-Dichlorobenzidine	< 5.0	ug/L	A		Bis(2-ethylhexyl)phthalate	< 5.0	ug/L	A		
Di-n-octylphthalate	< 5.0	ug/L	A		Benzo(b)fluoranthene	< 0.5	ug/L	A		
Benzo(k)fluoranthene	< 0.5	ug/L	A		Benzo(a)pyrene	< 0.5	ug/L	A		
Indeno(1,2,3-cd)pyrene	< 0.5	ug/L	A		Dibenzo(a,h)anthracene	< 0.5	ug/L	A		
Benzo(g,h,i)perylene	< 0.5	ug/L	A		Phenol	< 2.0	ug/L	A		
2-Chlorophenol	< 5.0	ug/L	A		2-Methylphenol (o-cresol)	< 2.0	ug/L	A		
3&4-Methylphenol (m&p-cresol)	2.4	ug/L	A		Cresols, Total	2.4	ug/L	A		
2-Nitrophenol	< 10.0	ug/L	A		2,4-Dimethylphenol	< 5.0	ug/L	A		
2,4-Dichlorophenol	< 5.0	ug/L	A		2,6-Dichlorophenol	< 5.0	ug/L	N		
4-Chloro-3-methylphenol	< 5.0	ug/L	A		2,4,5-Trichlorophenol	< 10.0	ug/L	A		
2,4,6-Trichlorophenol	< 10.0	ug/L	A		2,4-Dinitrophenol	< 20.0	ug/L	A		
4-Nitrophenol	< 5.0	ug/L	A		4,6-Dinitro-2-methylphenol	< 20.0	ug/L	A		
Pentachlorophenol	< 10.0	ug/L	A		BaP Toxic Equiv. Quotient	< 0.6	ug/L	U		
B/N Surr.1 Nitrobenzene-d5	57	%	A		B/N Surr.2 2-Fluorobiphenyl	67	%	A		
B/N Surr.3 Terphenyl-d14	89	%	A		Acid Surr.1 2-Fluorophenol	29	%	A		
Acid Surr.2 Phenol-d5	21	%	A		Acid Surr.3 Tribromophenol	76	%	A		
Unidentified Peaks	4		U							

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

003 Site: PZ-3					Sampled: 6/11/25 12:40		Test Date: 6/12/25 W TRP		
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A	
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A	
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A	
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A	
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	< 0.5	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A	
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A	
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A	
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A	
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U	
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A	
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A	
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A	
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A	
Surr. 1 (Dibromofluoromethane)	103	%	A		Surr. 2 (Toluene d8)	99	%	A	
Surr. 3 (4-Bromofluorobenzene)	99	%	A		Unidentified Peaks	0		U	

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8270D

004 Site: PZ-4		Sampled: 6/11/25 10:40		Test Date: 6/16/25		W MCA			
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Extraction EPA 3510C	Extracted		A		N-Nitrosodimethylamine	< 5.0	ug/L	A	
Pyridine	< 10.0	ug/L	A		Aniline	< 10.0	ug/L	N	
Bis(2-chloroethyl)ether	< 5.0	ug/L	A		1,2-Dichlorobenzene	< 2.0	ug/L	A	
1,3-Dichlorobenzene	< 2.0	ug/L	A		1,4-Dichlorobenzene	< 2.0	ug/L	A	
Benzyl alcohol	< 20.0	ug/L	N	M-	2,2'-Oxybis(1-chloropropane)	< 5.0	ug/L	A	
N-Nitrosodi-n-propylamine	< 10.0	ug/L	A		Hexachloroethane	< 5.0	ug/L	A	
Nitrobenzene	< 5.0	ug/L	A		N-Nitrosopiperidine	< 10.0	ug/L	N	
Isophorone	< 2.0	ug/L	A	RPD	Bis(2-chloroethoxy)methane	< 5.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		Naphthalene	< 0.5	ug/L	A	
4-Chloroaniline	< 5.0	ug/L	N		Hexachlorobutadiene	< 5.0	ug/L	A	
N-Nitrosodi-n-butylamine	< 5.0	ug/L	N	M-	2-Methylnaphthalene	< 0.5	ug/L	A	
1-Methylnaphthalene	< 0.5	ug/L	U		Hexachlorocyclopentadiene	< 20.0	ug/L	A	
2-Chloronaphthalene	< 2.0	ug/L	A		1-Chloronaphthalene	< 2.0	ug/L	N	
2-Nitroaniline	< 20.0	ug/L	N		Dimethyl phthalate	< 2.0	ug/L	A	
2,6-Dinitrotoluene	< 5.0	ug/L	A		Acenaphthylene	< 0.5	ug/L	A	
3-Nitroaniline	< 5.0	ug/L	N		Acenaphthene	< 0.5	ug/L	A	
Dibenzofuran	< 2.0	ug/L	N		2,4-Dinitrotoluene	< 5.0	ug/L	A	
1-Naphthylamine	< 10.0	ug/L	N		2-Naphthylamine	< 10.0	ug/L	N	
Fluorene	< 0.5	ug/L	A		Diethyl phthalate	< 5.0	ug/L	A	
4-Chlorophenyl phenyl ether	< 2.0	ug/L	A		4-Nitroaniline	< 20.0	ug/L	N	
N-Nitrosodiphenylamine	< 5.0	ug/L	A		Azobenzene/1,2-Diphenylhydrazine	< 5.0	ug/L	U	
4-Bromophenyl phenyl ether	< 2.0	ug/L	A		Hexachlorobenzene	< 1.0	ug/L	A	
Phenanthrene	< 0.5	ug/L	A		Anthracene	< 0.5	ug/L	A	
Carbazole	< 5.0	ug/L	N		Di-n-butylphthalate	< 5.0	ug/L	A	
Fluoranthene	< 0.5	ug/L	A		Benzidine	< 20.0	ug/L	A	QA-
Pyrene	< 0.5	ug/L	A		Butyl benzyl phthalate	< 5.0	ug/L	A	M-
Benzo(a)anthracene	< 0.5	ug/L	A		Chrysene	< 0.5	ug/L	A	
3,3'-Dichlorobenzidine	< 5.0	ug/L	A		Bis(2-ethylhexyl)phthalate	< 5.0	ug/L	A	M-
Di-n-octylphthalate	< 5.0	ug/L	A		Benzo(b)fluoranthene	< 0.5	ug/L	A	
Benzo(k)fluoranthene	< 0.5	ug/L	A		Benzo(a)pyrene	< 0.5	ug/L	A	
Indeno(1,2,3-cd)pyrene	< 0.5	ug/L	A		Dibenzo(a,h)anthracene	< 0.5	ug/L	A	
Benzo(g,h,i)perylene	< 0.5	ug/L	A		Phenol	2.9	ug/L	A	
2-Chlorophenol	< 5.0	ug/L	A		2-Methylphenol (o-cresol)	< 2.0	ug/L	A	
3&4-Methylphenol (m&p-cresol)	61.4	ug/L	A		Cresols, Total	61.4	ug/L	A	
2-Nitrophenol	< 10.0	ug/L	A		2,4-Dimethylphenol	< 5.0	ug/L	A	
2,4-Dichlorophenol	< 5.0	ug/L	A		2,6-Dichlorophenol	< 5.0	ug/L	N	
4-Chloro-3-methylphenol	< 5.0	ug/L	A		2,4,5-Trichlorophenol	< 10.0	ug/L	A	
2,4,6-Trichlorophenol	< 10.0	ug/L	A		2,4-Dinitrophenol	< 20.0	ug/L	A	
4-Nitrophenol	< 5.0	ug/L	A		4,6-Dinitro-2-methylphenol	< 20.0	ug/L	A	
Pentachlorophenol	< 10.0	ug/L	A		BaP Toxic Equiv. Quotient	< 0.6	ug/L	U	
B/N Surr.1 Nitrobenzene-d5	58	%	A		B/N Surr.2 2-Fluorobiphenyl	67	%	A	
B/N Surr.3 Terphenyl-d14	90	%	A		Acid Surr.1 2-Fluorophenol	41	%	A	
Acid Surr.2 Phenol-d5	25	%	A		Acid Surr.3 Tribromophenol	83	%	A	
Unidentified Peaks	>10		U						



CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

004 Site: PZ-4					Sampled: 6/11/25 10:40		Test Date: 6/16/25		W TRP
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A	
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A	
Acetone	326	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	10.2	ug/L	A	
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A	
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	< 0.5	ug/L	A		t-Amyl methyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A	
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A	
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A	
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A	
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U	
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A	
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A	
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A	
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A	
Surr. 1 (Dibromofluoromethane)	118	%	A		Surr. 2 (Toluene d8)	102	%	A	
Surr. 3 (4-Bromofluorobenzene)	100	%	A		Unidentified Peaks	1		U	

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental

WORK ORDER: 2506-18012

PROJECT: Hard'ack

DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8270D

005 Site: Dup						Sampled: 6/11/25	Test Date: 6/16/25 W MCA			
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual	
Extraction EPA 3510C	Extracted		A		N-Nitrosodimethylamine	< 5.0	ug/L	A		
Pyridine	< 10.0	ug/L	A		Aniline	< 10.0	ug/L	N		
Bis(2-chloroethyl)ether	< 5.0	ug/L	A		1,2-Dichlorobenzene	< 2.0	ug/L	A		
1,3-Dichlorobenzene	< 2.0	ug/L	A		1,4-Dichlorobenzene	< 2.0	ug/L	A		
Benzyl alcohol	< 20.0	ug/L	N		2,2'-Oxybis(1-chloropropane)	< 5.0	ug/L	A		
N-Nitrosodi-n-propylamine	< 10.0	ug/L	A		Hexachloroethane	< 5.0	ug/L	A		
Nitrobenzene	< 5.0	ug/L	A		N-Nitrosopiperidine	< 10.0	ug/L	N		
Isophorone	< 2.0	ug/L	A		Bis(2-chloroethoxy)methane	< 5.0	ug/L	A		
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		Naphthalene	< 0.5	ug/L	A		
4-Chloroaniline	< 5.0	ug/L	N		Hexachlorobutadiene	< 5.0	ug/L	A		
N-Nitrosodi-n-butylamine	< 5.0	ug/L	N		2-Methylnaphthalene	< 0.5	ug/L	A		
1-Methylnaphthalene	< 0.5	ug/L	U		Hexachlorocyclopentadiene	< 20.0	ug/L	A		
2-Chloronaphthalene	< 2.0	ug/L	A		1-Chloronaphthalene	< 2.0	ug/L	N		
2-Nitroaniline	< 20.0	ug/L	N		Dimethyl phthalate	< 2.0	ug/L	A		
2,6-Dinitrotoluene	< 5.0	ug/L	A		Acenaphthylene	< 0.5	ug/L	A		
3-Nitroaniline	< 5.0	ug/L	N		Acenaphthene	< 0.5	ug/L	A		
Dibenzofuran	< 2.0	ug/L	N		2,4-Dinitrotoluene	< 5.0	ug/L	A		
1-Naphthylamine	< 10.0	ug/L	N		2-Naphthylamine	< 10.0	ug/L	N		
Fluorene	< 0.5	ug/L	A		Diethyl phthalate	< 5.0	ug/L	A		
4-Chlorophenyl phenyl ether	< 2.0	ug/L	A		4-Nitroaniline	< 20.0	ug/L	N		
N-Nitrosodiphenylamine	< 5.0	ug/L	A		Azobenzene/1,2-Diphenylhydrazine	< 5.0	ug/L	U		
4-Bromophenyl phenyl ether	< 2.0	ug/L	A		Hexachlorobenzene	< 1.0	ug/L	A		
Phenanthrene	< 0.5	ug/L	A		Anthracene	< 0.5	ug/L	A		
Carbazole	< 5.0	ug/L	N		Di-n-butylphthalate	< 5.0	ug/L	A		
Fluoranthene	< 0.5	ug/L	A		Benzidine	< 20.0	ug/L	A	QA-	
Pyrene	< 0.5	ug/L	A		Butyl benzyl phthalate	< 5.0	ug/L	A		
Benzo(a)anthracene	< 0.5	ug/L	A		Chrysene	< 0.5	ug/L	A		
3,3'-Dichlorobenzidine	< 5.0	ug/L	A		Bis(2-ethylhexyl)phthalate	< 5.0	ug/L	A		
Di-n-octylphthalate	< 5.0	ug/L	A		Benzo(b)fluoranthene	< 0.5	ug/L	A		
Benzo(k)fluoranthene	< 0.5	ug/L	A		Benzo(a)pyrene	< 0.5	ug/L	A		
Indeno(1,2,3-cd)pyrene	< 0.5	ug/L	A		Dibenzo(a,h)anthracene	< 0.5	ug/L	A		
Benzo(g,h,i)perylene	< 0.5	ug/L	A		Phenol	< 2.0	ug/L	A		
2-Chlorophenol	< 5.0	ug/L	A		2-Methylphenol (o-cresol)	< 2.0	ug/L	A		
3&4-Methylphenol (m&p-cresol)	15.9	ug/L	A		Cresols, Total	15.9	ug/L	A		
2-Nitrophenol	< 10.0	ug/L	A		2,4-Dimethylphenol	< 5.0	ug/L	A		
2,4-Dichlorophenol	< 5.0	ug/L	A		2,6-Dichlorophenol	< 5.0	ug/L	N		
4-Chloro-3-methylphenol	< 5.0	ug/L	A		2,4,5-Trichlorophenol	< 10.0	ug/L	A		
2,4,6-Trichlorophenol	< 10.0	ug/L	A		2,4-Dinitrophenol	< 20.0	ug/L	A		
4-Nitrophenol	< 5.0	ug/L	A		4,6-Dinitro-2-methylphenol	< 20.0	ug/L	A		
Pentachlorophenol	< 10.0	ug/L	A		BaP Toxic Equiv. Quotient	< 0.6	ug/L	U		
B/N Surr.1 Nitrobenzene-d5	62	%	A		B/N Surr.2 2-Fluorobiphenyl	73	%	A		
B/N Surr.3 Terphenyl-d14	97	%	A		Acid Surr.1 2-Fluorophenol	33	%	A		
Acid Surr.2 Phenol-d5	25	%	A		Acid Surr.3 Tribromophenol	84	%	A		
Unidentified Peaks	>10		U							

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

005 Site: Dup					Sampled: 6/11/25		Test Date: 6/16/25			W TRP
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual	
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A		
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A		
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A		
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A		
Acetone	16.4	ug/L	A		Carbon disulfide	< 5.0	ug/L	A		
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N		
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A		
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A		
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A		
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A		
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A		
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A		
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N		
Benzene	< 0.5	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N		
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A		
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A		
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A		
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A		
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A		
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N		
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A		
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A		
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A		
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A		
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A		
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A		
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A		
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A		
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A		
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A		
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A		
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U		
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A		
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A		
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A		
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A		
Surr. 1 (Dibromofluoromethane)	116	%	A		Surr. 2 (Toluene d8)	101	%	A		
Surr. 3 (4-Bromofluorobenzene)	99	%	A		Unidentified Peaks	0		U		

Laboratory Report

REPORT DATE: 6/18/2025

CLIENT: Waite-Heindel Environmental
PROJECT: Hard'ack

WORK ORDER: 2506-18012
DATE RECEIVED: 06/11/2025

TEST METHOD: EPA 8260C

006 Site: Trip Blank						Sampled: 6/11/25	Test Date: 6/12/25 W TRP			
Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual	
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	A		
Vinyl chloride	< 0.5	ug/L	A		Bromomethane	< 0.5	ug/L	A		
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A		
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 0.7	ug/L	A		
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A		
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N		
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A		
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A		
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A		
2,2-Dichloropropane	< 1.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	A		
Bromochloromethane	< 0.8	ug/L	A		Chloroform	< 1.0	ug/L	A		
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A		
Carbon tetrachloride	< 0.5	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N		
Benzene	< 0.5	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N		
1,2-Dichloroethane	< 0.5	ug/L	A		Trichloroethene	< 0.5	ug/L	A		
1,2-Dichloropropane	< 0.5	ug/L	A		Dibromomethane	< 2.0	ug/L	A		
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A		
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	A		Toluene	< 1.0	ug/L	A		
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A		
Tetrachloroethene	< 0.5	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N		
2-Hexanone	< 10.0	ug/L	A		Dibromochloromethane	< 1.0	ug/L	A		
1,2-Dibromoethane	< 2.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A		
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A		
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	A		
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A		
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	A		
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	A		
2-Chlorotoluene	< 1.0	ug/L	A		1,3,5-Trimethylbenzene	< 1.0	ug/L	A		
4-Chlorotoluene	< 1.0	ug/L	A		t-Butylbenzene	< 1.0	ug/L	A		
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A		
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A		
1,4-Dichlorobenzene	< 1.0	ug/L	A		1,2,3-Trimethylbenzene	< 1.0	ug/L	U		
n-Butylbenzene	< 1.0	ug/L	A		1,2-Dichlorobenzene	< 1.0	ug/L	A		
1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A		1,2,4-Trichlorobenzene	< 2.0	ug/L	A		
1,3,5-Trichlorobenzene	< 2.0	ug/L	N		Hexachlorobutadiene	< 0.5	ug/L	A		
Naphthalene	< 0.5	ug/L	A		1,2,3-Trichlorobenzene	< 2.0	ug/L	A		
Surr. 1 (Dibromofluoromethane)	104	%	A		Surr. 2 (Toluene d8)	100	%	A		
Surr. 3 (4-Bromofluorobenzene)	98	%	A		Unidentified Peaks	0		U		

Report Summary of Qualifiers and Notes

QA-: QA/QC associated with this analysis did not meet laboratory acceptance limits indicating the results may be biased low.

M-: The Laboratory Fortified Matrix (LFM) analysis had a recovery lower than defined acceptance limits. This indicates a potential negative bias in the reported value or a difficult sample matrix that resulted in poor reproducibility between sample aliquots selected for analysis.

RPD: Variability observed. The Relative Percent Difference of the Matrix Spike Duplicate was above method acceptance limits.





160 James Brown Dr Williston VT 05495
Ph 802-879-4333

Chain-of-Custody-Record

Required Fields

Do Not use this form for WSID Samples or Residential Drinking Water Samples

PO# _____ EMAIL _____

*Project Name: Hard'ack
 *State of Origin: NY NH Other _____
 *Company Name: Waite Heindel Env.
 *Phone # (802) 860-9400
 *Mailing Address: 231 S Union St Ste 201 Burlington VT 05401
 *Sampler Name: Adam Walton
 *Phone # (617) 581-4535
 *Billing Address: _____

Sample Location	Matrix	GRA B	COMP	Date/Time Sampled	Container Volume, Ex. 16oz, 1/2 gal.	Sample Preservation	*Analysis Required: Enter Number from Choices Below	Field Results/Remarks
PZ-1	W	✓		6/11/25 1120	(2) veg	HCl	8260	Dust
PZ-2				1200				
PZ-3				1240				
PZ-4				1040				6/17/25
PZ-1				1120	(2) 1L		8270	
PZ-2				1200				
PZ-3				1240				
PZ-4				1040				
PZ-1				1120	16oz			RCRA8 Metals
PZ-2				1200				
PZ-3				1240				
PZ-4				1040				

*Relinquished By: [Signature] Date/Time: 6/11/25 14:15 Received By: _____ Date/Time: _____

1. pH	6. TKN	11. Total Solids	16. Sulfate	21. F.O.G	26. 8270 BN only 827B-W	31. PP-13 Metals PP-13-W	Lab Use Only Below
2. Chloride	7. TP	12. TSS	17. E colif	22. 8015 GRO	27. 8270 Acid only 827A-W	32. Total RCRA-8 Metals RCRA8-W	Delivery: <u>A</u>
3. Ammonia N	8. TDP	13. TDS	18. COD	23. 8015 DRO	28. 8270 PAH Only 827P	33. Corrosivity	Temp C: <u>9.1</u>
4. Nitrate N	9. BOD	14. Turbidity	19. VOC 8021B VT21-W Low	24. Full 8260 NH60-W level or High Level	29. 8081 Pest 881-W	34. Ignitability	Delivered on ice <input checked="" type="checkbox"/> N
5. Nitrite N	10. Alkalinity	15. Conductivity	20. 8260 Halocarbons HALCO	25. Full 8270 827-W	30. 8082 PCB 882-W	35. Reactivity	

36. Metals Total or Diss. Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb
 37. TCLP (circle) Metals, Volatiles, Semi-volatiles, Pesticides, Herbicides 38. PFAS (circle) Drinking Water Non-p
 39. Other: _____

2506-18012

 2506-18012

Do Not use this form for WSID Samples or Residential Drinking Water Samples

KENDYNE
160 James Brown Dr. Williston VT 05495
Ph 802-879-4333 Chain-of-Custody-Record

Required Fields

PO# _____ *EMAIL _____

*Project Name: Hardick *Company Name: White Heindel Env. *Sampler Name: Adam Webster

*State of Origin: VT NY NH Other *Phone # (802) 860-9400 *Billing Address: Burlington VT 05401

*Sample Location: Dup Dup Dup Trip blank *Matrix: W *COMP: GRAB *Date/Time Sampled: 6/11/25 Container Volume, Ex. 16oz, 1/2 gal. (2) 2L Sample Preservation: HCl *Analysis Required: Enter Number from Choices Below: 8260 8270 RCRAB Metals 8260 Field Results/Remarks

*Relinquished By: <u>[Signature]</u>		Date/Time	Received By:	Date/Time	Received By:	Date/Time	
1. pH	6. TKN	11. Total Solids	16. Sulfate	21. F.O.G	26. 8270 B/N only 8278-W	31. PPI3 Metals PPI3-W	
2. Chloride	7. TP	12. TSS	17. E. colif	22. 8015 GRO	27. 8270 Acid only 827A-W	32. Total RCRA & Metals RCRA8-W	
3. Ammonia N	8. TDP	13. TDS	18. COD	23. 8015 DRO	28. 8270 PAH Only 827P	33. Corrosivity	
4. Nitrate N	9. BOD	14. Turbidity	19. VOC 8021B VT21-W Low	24. PII 8260 NH60-W Low Level or High Level	29. 8081 Pest 881-W	34. Ignitability	
5. Nitrite N	10. Alkalinity	15. Conductivity	20. 8260 Halocarbon HAL80-	25. Full 8270 827-W	30. 8082 PCB 882-W	35. Reactivity	
36. Metals Total or Diss Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sn TI U V Zn (circle)		37. TCLP (circle) Metals, Volatiles, Semi-volatiles, Pesticides, Herbicides, PFAS (circle) Drinking Water Non-potable Solid					39. Other: