

March 15, 2024

Mr. Jeffrey Backman
AWTF Superintendent
Allentown Water Treatment Facility
35 Canal Street
Allentown, NH 03275

**RE: North Country Environmental Services, Inc
Wastewater Discharge Permit No. 91
Leachate Reporting – February 2024**

Dear Mr. Backman:

NCES (North Country Environmental Services, Inc.) writes to provide the February Reporting for the trial period noted above.

Our records indicate that for the reporting period, leachate originating from the NCES landfill facility was delivered to the Manchester WWTF.

Should you have any questions, please do not hesitate to contact me at 802.585.0551 or at lindsey.menard@casella.com.

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.



Lindsey Menard
Permits, Compliance, and Engineering

Enclosures

c. John Gay, NCES
Kevin Roy, NCES
Elise Thompson, NCES

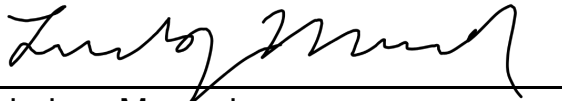
North Country Environmental Services, Inc.
581 Trudeau Rd., P.O. Box 9
Bethlehem, New Hampshire 03574

Certification Statement

Wastewater Permit Compliance Report

Date of Report: March 15, 2024

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



Lindsey Menard
Permits, Compliance, & Engineering

ALLENSTOWN WASTE WATER TREATMENT FACILITY						
NORTH COUNTRY ENVIRONMENTAL SERVICES LANDFILL - February 2024 Report						
Date of Disposal	Volume (Gallons)	BOD 5 (lbs)	BOD (mg/L)	COD (mg/L)	pH	Laboratory Report Date
NCES/LEACHATE						
2/5/2024	7,554	9	150	1200	8.07	01/30/24
2/5/2024	8,165	10	150	1200	8.07	01/30/24
2/5/2024	8,427	11	150	1200	8.07	01/30/24
2/6/2024	8,199	10	150	1500	8.10	02/06/24
2/6/2024	7,360	9	150	1500	8.10	02/06/24
2/6/2024	7,504	9	150	1500	8.10	02/06/24
2/7/2024	8,002	10	150	1500	8.15	02/06/24
2/7/2024	7,609	10	150	1500	8.15	02/06/24
2/7/2024	7,585	9	150	1500	8.15	02/06/24
2/8/2024	7,928	10	150	1500	8.03	02/06/24
2/8/2024	7,319	9	150	1500	8.03	02/06/24
2/8/2024	7,532	9	150	1500	8.03	02/06/24
2/9/2024	8,194	10	150	1500	7.91	02/06/24
2/9/2024	7,564	9	150	1500	7.91	02/06/24
2/9/2024	7,468	9	150	1500	7.91	02/06/24
2/12/2024	8,019	10	150	1500	8.07	02/06/24
2/12/2024	7,933	10	150	1500	8.07	02/06/24
2/12/2024	7,535	9	150	1500	8.07	02/06/24
2/13/2024	7,998	10	150	1900	8.06	02/13/24
2/13/2024	7,588	9	150	1900	8.06	02/13/24
2/13/2024	7,331	9	150	1900	8.06	02/13/24
2/14/2024	7,878	10	150	1900	8.10	02/13/24
2/14/2024	7,360	9	150	1900	8.10	02/13/24
2/14/2024	7,564	9	150	1900	8.10	02/13/24
2/15/2024	7,113	9	150	1900	8.20	02/13/24
2/15/2024	7,559	9	150	1900	8.20	02/13/24

Note: pH levels measured by landfill personnel



LABORATORY REPORT

EAI ID#: **273374**

Client: **North Country Env. Svcs., Inc. (NH)**

Client Designation: **NCES/Leachate**

Sample ID: NCES/Leachate

Lab Sample ID: 273374.01

Matrix: aqueous

Date Sampled: 1/30/24

Date Received: 1/30/24

Ammonia-N **820**

BOD **150**

COD **1200**

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/01/24	15:15	TM NH3-001	PEN
mg/L	1/31/24	10:57	5210B-11	GRS
mg/L	1/31/24	13:20	H8000	JCS



LABORATORY REPORT

EAI ID#: 273666

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES/Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 273666.01

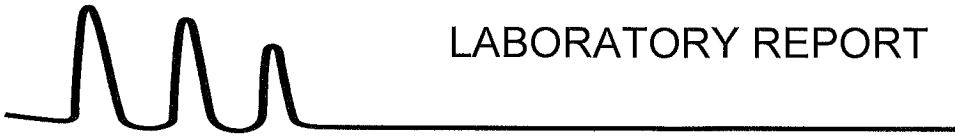
Matrix: aqueous

Date Sampled: 2/6/24

Date Received: 2/6/24

Ammonia-N **850**
BOD **150**
COD **1500**

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/08/24	12:09	TM NH3-001	PEN
mg/L	2/07/24	17:09	5210B-11	GRS
mg/L	2/07/24	9:40	H8000	JCS



LABORATORY REPORT

EAI ID#: 274015

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES/Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274015.01

Matrix: aqueous

Date Sampled: 2/13/24

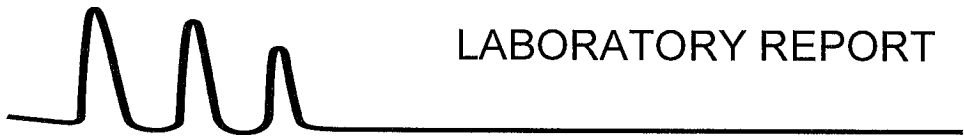
Date Received: 2/13/24

Ammonia-N 870

BOD 150

COD 1900

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/15/24	11:17	TM NH3-001	PEN
mg/L	2/14/24	16:17	5210B-11	GRS
mg/L	2/16/24	9:05	H8000	JCS



LABORATORY REPORT

EAI ID#: 274306

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES/Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274306.01

Matrix: aqueous

Date Sampled: 2/20/24

Date Received: 2/20/24

Ammonia-N 1000

BOD 190

COD 2000

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/26/24	11:41	TM NH3-001	GRS
mg/L	2/21/24	17:34	5210B-11	GRS
mg/L	2/26/24	10:20	H8000	JCS



LABORATORY REPORT

EAI ID#: 274541

Client: **North Country Env. Svcs., Inc. (NH)**
 Client Designation: **North Country Environmental**

Sample ID: NCES Leachate
 Tank B

Lab Sample ID: 274541.01

Matrix: aqueous

Date Sampled: 2/27/24

Date Received: 2/27/24

		Analysis				
		Units	Date	Time	Method	Analyst
Solids Suspended	48	mg/L	2/28/24	11:10	2540D-11	MNT
Sulfate	91	mg/L	2/29/24	11:45	300.0	ALS
Nitrate/Nitrite-N	< 0.5	mg/L	2/28/24	9:17	353.2	ALS
Ammonia-N	1000	mg/L	2/29/24	11:48	TM NH3-001	PEN
TKN	1000	mg/L	2/28/24	14:07	4500N _{ora} C/NH3D	PEN
Total Phosphorus-P	4.9	mg/L	3/05/24	9:30	365.1	PHA
Sulfide	0.38	mg/L	3/05/24	13:45	8131HACH	PHA
BOD	150	mg/L	2/28/24	10:26	5210B-11	GRS
CBOD	130	mg/L	2/28/24	10:31	5210B-11	GRS
COD	1900	mg/L	3/01/24	9:30	H8000	JCS



Eastern Analytical, Inc.

professional laboratory and drilling services

Bruce Grover
North Country Env. Svcs., Inc. (NH)
P.O. Box 9
Bethlehem, NH 03574



Laboratory Report for:

Eastern Analytical, Inc. ID: 274307
Client Identification: North Country Environmental
Date Received: 2/20/2024

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072) and West Virginia (9910C). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.


References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992
- ASTM International

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

2-28-24
Date



SAMPLE CONDITIONS PAGE

EAI ID#: 274307

Client: **North Country Env. Svcs., Inc. (NH)**
Client Designation: **North Country Environmental**

Temperature upon receipt (°C): **0**

Received on ice or cold packs (Yes/No): **Y**

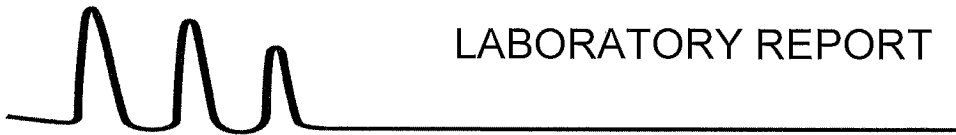
Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
274307.01	Tank B	2/20/24	2/20/24 06:50	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 274307

Client: **North Country Env. Svcs., Inc. (NH)**

Client Designation: **North Country Environmental**

Sample ID: Tank B

Lab Sample ID: 274307.01

Matrix: aqueous

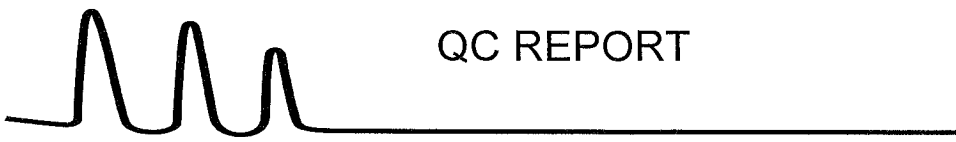
Date Sampled: 2/20/24

Date Received: 2/20/24

Solids Suspended	20
Nitrate/Nitrite-N	< 3
Ammonia-N	1000
TKN	900
Total Phosphorus-P	4.5
BOD	190
CBOD	170
COD	2000

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/22/24	11:00	2540D-11	MNT
mg/L	2/21/24	9:47	353.2	ALS
mg/L	2/26/24	11:44	TM NH3-001	GRS
mg/L	2/23/24	15:29	4500N _{org} C/NH3D	GRS
mg/L	2/23/24	11:11	365.1	PHA
mg/L	2/21/24	17:37	5210B-11	GRS
mg/L	2/21/24	17:42	5210B-11	GRS
mg/L	2/26/24	10:20	H8000	JCS

The reporting limit for Nitrate/Nitrite-N has been elevated due to the sample matrix.
 The higher Ammonia-N value in relation to the TKN value may be attributed to the sample matrix.



QC REPORT

EAI ID#: **274307**

Client: **North Country Env. Svcs., Inc. (NH)**

Client Designation: **North Country Environmental**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Solids Suspended	< 5	100 (109 %R)		NA	mg/L 2/22/24	85 - 115		2540D-11
Nitrate/Nitrite-N	< 0.5	5.2 (105 %R)	5.2 (104 %R) (1 RPD)	mg/L	2/21/24	90 - 110	20	353.2
Ammonia-N	< 0.05	2.0 (102 %R)	2.1 (103 %R) (1 RPD)	mg/L	2/26/24	87 - 104	20	TM NH3-001
TKN	< 0.5	9.9 (99 %R)	9.9 (99 %R) (0 RPD)	mg/L	2/23/24	90 - 111	20	4500N _{org} C/NH3D-11
Total Phosphorus-P	< 0.01	0.30 (99 %R)	0.30 (101 %R) (2 RPD)	mg/L	2/23/24	90 - 110	20	365.1
BOD	< 6	210 (106 %R)		NA	mg/L 2/21/24	84 - 115		5210B-11
CBOD	< 6	210 (107 %R)		NA	mg/L 2/21/24	60 - 120		5210B-11
COD	< 10	96 (96 %R)	99 (99 %R) (3 RPD)	mg/L	2/26/24	85 - 115	20	H8000

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

TABLE 1
Summary of Monitoring Data – Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
February 20, 2024

	Analyte	Units	Tank B
			2/20/2024
Indicator Parameters	Ammonia	mg/L	1,000
	Biological Oxygen Demand	mg/L	190
	Carbonaceous Biochemical Oxygen Demand (CBOD)	mg/L	170
	Chemical Oxygen Demand	mg/L	2,000
	Nitrate + Nitrite	mg/L	<3
	Total Kjeldahl Nitrogen (TKN)	mg/L	900
	Total Phosphorus	mg/L	4.5
	Total Suspended Solids	mg/L	20

Notes:

1. Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.
2. Results are presented in milligrams per liter (mg/L) which is equivalent to parts per million.
3. "<" indicates the analyte was not detected above the listed laboratory reporting limit.



Eastern Analytical, Inc.

professional laboratory and drilling services

Kevin Roy
North Country Env. Svcs., Inc. (NH)
P.O. Box 9
Bethlehem, NH 03574



Laboratory Report for:

Eastern Analytical, Inc. ID: 274027
Client Identification: NCES | Leachate
Date Received: 2/13/2024

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

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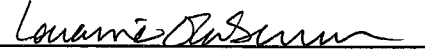
References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992
- ASTM International

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We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

2-23-24
Date



SAMPLE CONDITIONS PAGE

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Temperature upon receipt (°C): 1.3

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
274027.01	NCES/Leachate	2/13/24	2/13/24 07:00	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01

Matrix: aqueous

Date Sampled: 2/13/24

Date Received: 2/13/24

Units: ug/L

Date of Analysis: 2/14/24

Analyst: SG

Method: 624.1

Dilution Factor: 10

Chloromethane	< 20
Vinyl chloride	< 10
Bromomethane	< 20
Chloroethane	< 20
Trichlorofluoromethane	< 20
Acrolein	< 500
Acetone	950
1,1-Dichloroethene	< 5
Methylene chloride	< 10
Acrylonitrile	< 500
Methyl-t-butyl ether(MTBE)	< 10
trans-1,2-Dichloroethene	< 10
Vinyl acetate	< 100
1,1-Dichloroethane	< 10
cis-1,2-Dichloroethene	< 10
2-Butanone(MEK)	1000
Chloroform	< 10
1,1,1-Trichloroethane	< 10
Carbon tetrachloride	< 10
Benzene	< 10
1,2-Dichloroethane	< 10
Trichloroethene	< 10
1,2-Dichloropropane	< 10
Bromodichloromethane	< 5
2-Chloroethylvinylether	< 20
4-Methyl-2-pentanone(MIBK)	< 100
cis-1,3-Dichloropropene	< 5
Toluene	23
trans-1,3-Dichloropropene	< 5
1,1,2-Trichloroethane	< 10
2-Hexanone	< 100
Tetrachloroethene	< 10
Dibromochloromethane	< 10
Chlorobenzene	< 10
Ethylbenzene	23
mp-Xylene	31
o-Xylene	22
Styrene	< 10
Bromoform	< 20
1,1,2,2-Tetrachloroethane	< 10
1,3-Dichlorobenzene	< 10
1,4-Dichlorobenzene	< 10
1,2-Dichlorobenzene	< 10
4-Bromofluorobenzene (surr)	107 %R
1,2-Dichlorobenzene-d4 (surr)	98 %R
Toluene-d8 (surr)	97 %R



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Batch ID: 638435-09960/A021424V6241

Client Designation: NCES | Leachate

Parameter Name	Blank (RL)	Blank (MDL)	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Chloromethane	< 2	< .876	24 (120 %R)	25 (123 %R) (3 RPD)	2/14/2024	ug/L	1 - 205	60	624.1
Vinyl chloride	< 1	< .077	19 (96 %R)	19 (95 %R) (1 RPD)	2/14/2024	ug/L	5 - 195	66	624.1
Bromomethane	< 2	< 1.237	17 (84 %R)	17 (85 %R) (1 RPD)	2/14/2024	ug/L	15 - 185	61	624.1
Chloroethane	< 2	< .232	22 (108 %R)	22 (109 %R) (1 RPD)	2/14/2024	ug/L	40 - 160	78	624.1
Trichlorofluoromethane	< 2	< .185	23 (114 %R)	23 (114 %R) (1 RPD)	2/14/2024	ug/L	50 - 150	84	624.1
Acrolein	< 50	< .548	* < 50 (146 %R)	* < 50 (152 %R) (4 RPD)	2/14/2024	ug/L	60 - 140	60	624.1
Acetone	< 10	< 2.387	21 (106 %R)	22 (109 %R) (3 RPD)	2/14/2024	ug/L	40 - 160	20	624.1
1,1-Dichloroethene	< 0.5	< .093	23 (117 %R)	23 (116 %R) (1 RPD)	2/14/2024	ug/L	50 - 150	32	624.1
Methylene chloride	< 1	< .545	22 (108 %R)	21 (106 %R) (2 RPD)	2/14/2024	ug/L	60 - 140	28	624.1
Acrylonitrile	< 50	< .302	< 50 (102 %R)	< 50 (105 %R) (3 RPD)	2/14/2024	ug/L	60 - 140	60	624.1
Methyl-t-butyl ether(MTBE)	< 1	< .519	23 (117 %R)	23 (115 %R) (2 RPD)	2/14/2024	ug/L	70 - 130	20	624.1
trans-1,2-Dichloroethene	< 1	< .298	22 (108 %R)	21 (107 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	45	624.1
Vinyl acetate	< 10	< .557	27 (137 %R)	28 (142 %R) (3 RPD)	2/14/2024	ug/L	40 - 160	20	624.1
1,1-Dichloroethane	< 1	< .085	24 (120 %R)	23 (117 %R) (3 RPD)	2/14/2024	ug/L	70 - 130	40	624.1
cis-1,2-Dichloroethene	< 1	< .238	23 (115 %R)	22 (110 %R) (4 RPD)	2/14/2024	ug/L	70 - 130	20	624.1
2-Butanone(MEK)	< 10	< .206	23 (113 %R)	23 (115 %R) (2 RPD)	2/14/2024	ug/L	40 - 160	20	624.1
Chloroform	< 1	< .36	23 (114 %R)	22 (110 %R) (4 RPD)	2/14/2024	ug/L	70 - 135	54	624.1
1,1,1-Trichloroethane	< 1	< .227	23 (114 %R)	22 (112 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	36	624.1
Carbon tetrachloride	< 1	< .261	23 (113 %R)	22 (112 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	41	624.1
Benzene	< 1	< .312	23 (117 %R)	23 (114 %R) (2 RPD)	2/14/2024	ug/L	65 - 135	61	624.1
1,2-Dichloroethane	< 1	< .21	23 (113 %R)	22 (109 %R) (3 RPD)	2/14/2024	ug/L	70 - 130	49	624.1
Trichloroethene	< 1	< .359	23 (115 %R)	23 (113 %R) (2 RPD)	2/14/2024	ug/L	65 - 135	48	624.1
1,2-Dichloropropane	< 1	< .285	23 (117 %R)	23 (113 %R) (4 RPD)	2/14/2024	ug/L	35 - 165	55	624.1
Bromodichloromethane	< 0.5	< .079	22 (110 %R)	21 (106 %R) (4 RPD)	2/14/2024	ug/L	65 - 135	56	624.1
2-Chloroethylvinylether	< 2	< .493	19 (97 %R)	19 (96 %R) (1 RPD)	2/14/2024	ug/L	1 - 225	71	624.1
4-Methyl-2-pentanone(MIBK)	< 10	< .411	23 (113 %R)	23 (113 %R) (1 RPD)	2/14/2024	ug/L	40 - 160	20	624.1
cis-1,3-Dichloropropene	< 0.5	< .101	22 (112 %R)	22 (108 %R) (4 RPD)	2/14/2024	ug/L	25 - 175	58	624.1
Toluene	< 1	< .19	22 (108 %R)	21 (107 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	41	624.1
trans-1,3-Dichloropropene	< 0.5	< .08	23 (113 %R)	22 (109 %R) (3 RPD)	2/14/2024	ug/L	50 - 150	86	624.1
1,1,2-Trichloroethane	< 1	< .203	21 (105 %R)	21 (103 %R) (2 RPD)	2/14/2024	ug/L	70 - 130	45	624.1
2-Hexanone	< 10	< .28	22 (112 %R)	23 (114 %R) (2 RPD)	2/14/2024	ug/L	40 - 160	20	624.1
Tetrachloroethene	< 1	< .371	20 (102 %R)	20 (101 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	39	624.1
Dibromochloromethane	< 1	< .225	20 (102 %R)	20 (99 %R) (3 RPD)	2/14/2024	ug/L	70 - 135	50	624.1
Chlorobenzene	< 1	< .247	21 (103 %R)	20 (101 %R) (2 RPD)	2/14/2024	ug/L	65 - 135	53	624.1
Ethylbenzene	< 1	< .213	22 (108 %R)	21 (107 %R) (1 RPD)	2/14/2024	ug/L	60 - 140	63	624.1
mp-Xylene	< 1	< .476	44 (110 %R)	44 (109 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	20	624.1
o-Xylene	< 1	< .298	22 (109 %R)	22 (108 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	20	624.1
Styrene	< 1	< .727	22 (109 %R)	21 (107 %R) (2 RPD)	2/14/2024	ug/L	70 - 130	20	624.1
Bromoform	< 2	< .282	21 (107 %R)	21 (106 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	42	624.1
1,1,2,2-Tetrachloroethane	< 1	< .381	20 (101 %R)	20 (102 %R) (1 RPD)	2/14/2024	ug/L	60 - 140	61	624.1
1,3-Dichlorobenzene	< 1	< .426	20 (99 %R)	20 (98 %R) (1 RPD)	2/14/2024	ug/L	70 - 130	43	624.1
1,4-Dichlorobenzene	< 1	< .375	19 (97 %R)	19 (96 %R) (2 RPD)	2/14/2024	ug/L	65 - 135	57	624.1
1,2-Dichlorobenzene	< 1	< .218	20 (99 %R)	19 (97 %R) (2 RPD)	2/14/2024	ug/L	65 - 135	57	624.1
4-Bromofluorobenzene (surr)	108 %R		104 %R	105 %R	2/14/2024	% Rec	70 - 130		624.1
1,2-Dichlorobenzene-d4 (surr)	97 %R		98 %R	98 %R	2/14/2024	% Rec	70 - 130		624.1
Toluene-d8 (surr)	97 %R		98 %R	99 %R	2/14/2024	% Rec	70 - 130		624.1

*/I Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01

Matrix: aqueous

Date Sampled: 2/13/24

Date Received: 2/13/24

Units: ug/L

Date of Extraction/Prep: 2/14/24

Date of Analysis: 2/14/24

Analyst: JMR

Method: 625.1

Dilution Factor: 10

alpha-Terpineol 200

Phenol 21

2-Chlorophenol < 10

2,4-Dichlorophenol < 10

2,4,5-Trichlorophenol < 10

2,4,6-Trichlorophenol < 10

Pentachlorophenol < 50

2-Nitrophenol < 50

4-Nitrophenol < 50

2,4-Dinitrophenol < 100

2-Methylphenol 10

3/4-Methylphenol 46

2,4-Dimethylphenol < 50

4-Chloro-3-methylphenol < 10

4,6-Dinitro-2-methylphenol < 50

Benzoic Acid < 500

N-Nitrosodimethylamine < 10

n-Nitroso-di-n-propylamine < 5

n-Nitrosodiphenylamine < 10

bis(2-Chloroethyl)ether < 10

bis(2-chloroisopropyl)ether < 10

bis(2-Chloroethoxy)methane < 10

1,3-Dichlorobenzene < 10

Acetophenone < 100

1,4-Dichlorobenzene < 10

1,2-Dichlorobenzene < 10

1,2,4-Trichlorobenzene < 10

2-Chloronaphthalene < 10

4-Chlorophenyl-phenylether < 10

4-Bromophenyl-phenylether < 10

Hexachloroethane < 10

Hexachlorobutadiene < 10

Hexachlorocyclopentadiene < 50

Hexachlorobenzene < 10

4-Chloroaniline < 10

2,3-Dichloroaniline < 10

2-Nitroaniline < 50

3-Nitroaniline < 50

4-Nitroaniline < 50

Aniline 21

Benzyl alcohol < 100

Nitrobenzene < 10

Isophorone < 10

2,4-Dinitrotoluene < 20

2,6-Dinitrotoluene < 20

Benzidine (estimated) < 50

3,3'-Dichlorobenzidine < 10



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01
Matrix: aqueous
Date Sampled: 2/13/24
Date Received: 2/13/24
Units: ug/L
Date of Extraction/Prep: 2/14/24
Date of Analysis: 2/14/24
Analyst: JMR
Method: 625.1
Dilution Factor: 10

Pyridine	< 50
Azobenzene	< 10
Carbazole	< 10
Dimethylphthalate	< 10
Diethylphthalate	< 50
Di-n-butylphthalate	< 50
Butylbenzylphthalate	< 50
bis(2-Ethylhexyl)phthalate	< 50
Di-n-octylphthalate	< 50
Dibenzofuran	< 10
Naphthalene	13
2-Methylnaphthalene	< 10
1-Methylnaphthalene	< 10
Acenaphthylene	< 10
Acenaphthene	< 10
Fluorene	< 10
Phenanthrene	< 10
Anthracene	< 10
Fluoranthene	< 10
Pyrene	< 10
Benzo[a]anthracene	< 10
Chrysene	< 10
Benzo[b]fluoranthene	< 10
Benzo[k]fluoranthene	< 10
Benzo[a]pyrene	< 10
Indeno[1,2,3-cd]pyrene	< 10
Dibenz[a,h]anthracene	< 10
Benzo[g,h,i]perylene	< 10
n-Decane	< 50
n-Octadecane	< 50
2-Fluorophenol (surr)	38 %R
Phenol-d6 (surr)	28 %R
2,4,6-Tribromophenol (surr)	99 %R
Nitrobenzene-D5 (surr)	69 %R
2-Fluorobiphenyl (surr)	77 %R
p-Terphenyl-D14 (surr)	76 %R

Detection limits elevated due to sample matrix.



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Batch ID: 638434-93008/A021424E6251

Client Designation: NCES | Leachate

Parameter Name	Blank (RL)	Blank (MDL)	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
alpha-Terpineol	< 5	< .26	18 (73 %R)	18 (74 %R) (1 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Phenol	< 1	< .18	15 (29 %R)	15 (29 %R) (1 RPD)	2/14/2024	ug/L	5 - 120	64	625.1
2-Chlorophenol	< 1	< .45	33 (65 %R)	33 (66 %R) (2 RPD)	2/14/2024	ug/L	23 - 134	61	625.1
2,4-Dichlorophenol	< 1	< .44	38 (76 %R)	38 (77 %R) (1 RPD)	2/14/2024	ug/L	39 - 135	50	625.1
2,4,5-Trichlorophenol	< 1	< .32	42 (83 %R)	41 (82 %R) (1 RPD)	2/14/2024	ug/L	30 - 130	40	625.1
2,4,6-Trichlorophenol	< 1	< .55	42 (84 %R)	42 (83 %R) (0 RPD)	2/14/2024	ug/L	37 - 144	58	625.1
Pentachlorophenol	< 5	< .72	45 (89 %R)	44 (87 %R) (2 RPD)	2/14/2024	ug/L	14 - 176	86	625.1
2-Nitrophenol	< 5	< .47	43 (85 %R)	44 (88 %R) (3 RPD)	2/14/2024	ug/L	29 - 182	55	625.1
4-Nitrophenol	< 5	< .39	18 (37 %R)	18 (35 %R) (4 RPD)	2/14/2024	ug/L	1 - 132	131	625.1
2,4-Dinitrophenol	< 10	< 7.1	48 (96 %R)	48 (96 %R) (0 RPD)	2/14/2024	ug/L	1 - 191	132	625.1
2-Methylphenol	< 1	< .34	30 (61 %R)	31 (62 %R) (2 RPD)	2/14/2024	ug/L	30 - 130	40	625.1
3/4-Methylphenol	< 1	< .43	30 (59 %R)	30 (61 %R) (3 RPD)	2/14/2024	ug/L	30 - 130	40	625.1
2,4-Dimethylphenol	< 5	< .52	36 (71 %R)	37 (73 %R) (3 RPD)	2/14/2024	ug/L	32 - 120	58	625.1
4-Chloro-3-methylphenol	< 1	< .3	38 (75 %R)	38 (75 %R) (0 RPD)	2/14/2024	ug/L	22 - 147	73	625.1
4,6-Dinitro-2-methylphenol	< 5	< .61	51 (101 %R)	50 (101 %R) (1 RPD)	2/14/2024	ug/L	1 - 181	203	625.1
Benzoic Acid	< 50	< 6.7	< 50 (35 %R)	< 50 (30 %R) (16 RPD)	2/14/2024	ug/L	15 - 130	50	625.1
N-Nitrosodimethylamine	< 1	< .17	11 (46 %R)	12 (48 %R) (4 RPD)	2/14/2024	ug/L	15 - 140	40	625.1
n-Nitroso-di-n-propylamine	< 0.5	< .32	17 (69 %R)	18 (71 %R) (2 RPD)	2/14/2024	ug/L	1 - 230	87	625.1
n-Nitrosodiphenylamine	< 1	< .25	21 (83 %R)	20 (80 %R) (3 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
bis(2-Chloroethyl)ether	< 1	< .31	17 (69 %R)	18 (71 %R) (3 RPD)	2/14/2024	ug/L	12 - 158	108	625.1
bis(2-chloroisopropyl)ether	< 1	< .34	16 (65 %R)	17 (67 %R) (3 RPD)	2/14/2024	ug/L	36 - 166	76	625.1
bis(2-Chloroethoxy)methane	< 1	< .26	19 (74 %R)	19 (75 %R) (1 RPD)	2/14/2024	ug/L	33 - 184	54	625.1
1,3-Dichlorobenzene	< 1	< .38	16 (63 %R)	16 (66 %R) (4 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Acetophenone	< 10	< .29	18 (72 %R)	18 (74 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
1,4-Dichlorobenzene	< 1	< .36	16 (64 %R)	17 (67 %R) (4 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
1,2-Dichlorobenzene	< 1	< .38	16 (66 %R)	17 (68 %R) (4 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
1,2,4-Trichlorobenzene	< 1	< .39	18 (71 %R)	18 (72 %R) (2 RPD)	2/14/2024	ug/L	44 - 142	50	625.1
2-Chloronaphthalene	< 1	< .32	19 (76 %R)	19 (76 %R) (0 RPD)	2/14/2024	ug/L	60 - 120	24	625.1
4-Chlorophenyl-phenylether	< 1	< .27	20 (81 %R)	20 (80 %R) (0 RPD)	2/14/2024	ug/L	25 - 158	61	625.1
4-Bromophenyl-phenylether	< 1	< .24	21 (84 %R)	20 (82 %R) (3 RPD)	2/14/2024	ug/L	53 - 127	43	625.1
Hexachloroethane	< 1	< .38	16 (63 %R)	16 (66 %R) (4 RPD)	2/14/2024	ug/L	40 - 120	52	625.1
Hexachlorobutadiene	< 1	< .38	18 (71 %R)	18 (72 %R) (1 RPD)	2/14/2024	ug/L	24 - 120	62	625.1
Hexachlorocyclopentadiene	< 5	< 1.9	9.2 (37 %R)	9.4 (37 %R) (2 RPD)	2/14/2024	ug/L	15 - 140	40	625.1
Hexachlorobenzene	< 1	< .25	22 (86 %R)	21 (84 %R) (3 RPD)	2/14/2024	ug/L	1 - 152	55	625.1
4-Chloroaniline	< 1	< .22	18 (73 %R)	18 (74 %R) (2 RPD)	2/14/2024	ug/L	15 - 140	40	625.1
2,3-Dichloroaniline	< 1	< .24	19 (76 %R)	19 (76 %R) (0 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
2-Nitroaniline	< 5	< .17	21 (84 %R)	21 (84 %R) (0 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
3-Nitroaniline	< 5	< .16	21 (86 %R)	21 (86 %R) (0 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
4-Nitroaniline	< 5	< .24	22 (88 %R)	22 (87 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Aniline	< 1	< .29	15 (61 %R)	16 (62 %R) (3 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Benzyl alcohol	< 10	< .35	16 (66 %R)	17 (67 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Nitrobenzene	< 1	< .27	18 (71 %R)	18 (72 %R) (2 RPD)	2/14/2024	ug/L	35 - 180	62	625.1
Isophorone	< 1	< .25	18 (74 %R)	19 (75 %R) (1 RPD)	2/14/2024	ug/L	21 - 196	93	625.1
2,4-Dinitrotoluene	< 2	< .21	24 (96 %R)	24 (95 %R) (1 RPD)	2/14/2024	ug/L	39 - 139	42	625.1
2,6-Dinitrotoluene	< 2	< .25	23 (90 %R)	22 (89 %R) (1 RPD)	2/14/2024	ug/L	50 - 158	48	625.1
Benzidine (estimated)	< 5	< .31	14 (55 %R)	14 (55 %R) (0 RPD)	2/14/2024	ug/L	1 - 200	50	625.1



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Batch ID: 638434-93008/A021424E6251

Client Designation: NCES | Leachate

Parameter Name	Blank (RL)	Blank (MDL)	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
3,3'-Dichlorobenzidine	< 1	< .4	21 (85 %R)	21 (82 %R) (3 RPD)	2/14/2024	ug/L	1 - 262	108	625.1
Pyridine	< 5	< .37	10 (40 %R)	11 (42 %R) (4 RPD)	2/14/2024	ug/L	15 - 140	40	625.1
Azobenzene	< 1	< .25	20 (79 %R)	19 (77 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Carbazole	< 1	< .25	21 (85 %R)	21 (83 %R) (3 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Dimethylphthalate	< 1	< .27	21 (83 %R)	21 (83 %R) (1 RPD)	2/14/2024	ug/L	1 - 120	183	625.1
Diethylphthalate	< 5	< .22	22 (90 %R)	22 (89 %R) (1 RPD)	2/14/2024	ug/L	1 - 120	100	625.1
Di-n-butylphthalate	< 5	< 1.1	23 (93 %R)	23 (92 %R) (2 RPD)	2/14/2024	ug/L	1 - 120	47	625.1
Butylbenzylphthalate	< 5	< .23	24 (96 %R)	24 (95 %R) (2 RPD)	2/14/2024	ug/L	1 - 152	60	625.1
bis(2-Ethylhexyl)phthalate	< 5	< 1.1	24 (94 %R)	23 (92 %R) (3 RPD)	2/14/2024	ug/L	8 - 158	82	625.1
Di-n-octylphthalate	< 5	< .48	25 (99 %R)	24 (97 %R) (2 RPD)	2/14/2024	ug/L	4 - 146	69	625.1
Dibenzofuran	< 1	< .37	20 (79 %R)	20 (79 %R) (0 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
Naphthalene	< 1	< .4	18 (71 %R)	18 (73 %R) (2 RPD)	2/14/2024	ug/L	21 - 133	65	625.1
2-Methylnaphthalene	< 1	< .38	18 (74 %R)	19 (75 %R) (1 RPD)	2/14/2024	ug/L	40 - 140	65	625.1
1-Methylnaphthalene	< 1	< .35	19 (74 %R)	19 (76 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	65	625.1
Acenaphthylene	< 1	< .28	18 (71 %R)	18 (71 %R) (0 RPD)	2/14/2024	ug/L	33 - 145	74	625.1
Acenaphthene	< 1	< .3	20 (81 %R)	20 (81 %R) (0 RPD)	2/14/2024	ug/L	47 - 145	48	625.1
Fluorene	< 1	< .28	19 (77 %R)	19 (76 %R) (1 RPD)	2/14/2024	ug/L	59 - 121	38	625.1
Phenanthrene	< 1	< .27	20 (80 %R)	19 (78 %R) (3 RPD)	2/14/2024	ug/L	54 - 120	39	625.1
Anthracene	< 1	< .26	20 (79 %R)	19 (77 %R) (2 RPD)	2/14/2024	ug/L	27 - 133	66	625.1
Fluoranthene	< 1	< .29	20 (80 %R)	20 (78 %R) (3 RPD)	2/14/2024	ug/L	26 - 137	66	625.1
Pyrene	< 1	< .34	20 (78 %R)	19 (77 %R) (2 RPD)	2/14/2024	ug/L	52 - 120	49	625.1
Benzo[a]anthracene	< 1	< .23	20 (79 %R)	19 (76 %R) (4 RPD)	2/14/2024	ug/L	33 - 143	53	625.1
Chrysene	< 1	< .31	20 (82 %R)	20 (79 %R) (3 RPD)	2/14/2024	ug/L	17 - 168	87	625.1
Benzo[b]fluoranthene	< 1	< .27	20 (81 %R)	20 (79 %R) (2 RPD)	2/14/2024	ug/L	24 - 159	71	625.1
Benzo[k]fluoranthene	< 1	< .33	21 (84 %R)	20 (81 %R) (4 RPD)	2/14/2024	ug/L	11 - 162	63	625.1
Benzo[a]pyrene	< 1	< .24	20 (79 %R)	19 (77 %R) (3 RPD)	2/14/2024	ug/L	17 - 163	72	625.1
Indeno[1,2,3-cd]pyrene	< 1	< .42	19 (77 %R)	19 (74 %R) (4 RPD)	2/14/2024	ug/L	1 - 171	99	625.1
Dibenz[a,h]anthracene	< 1	< .46	19 (78 %R)	19 (75 %R) (4 RPD)	2/14/2024	ug/L	1 - 227	126	625.1
Benzo[g,h,i]perylene	< 1	< .5	19 (78 %R)	19 (75 %R) (3 RPD)	2/14/2024	ug/L	1 - 219	97	625.1
n-Decane	< 5	< .34	14 (58 %R)	15 (60 %R) (4 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
n-Octadecane	< 5	< .4	20 (80 %R)	20 (79 %R) (2 RPD)	2/14/2024	ug/L	40 - 140	40	625.1
2-Fluorophenol (surr)		37 %R	39 %R	40 %R	2/14/2024	% Rec	15 - 110		625.1
Phenol-d6 (surr)		27 %R	28 %R	28 %R	2/14/2024	% Rec	15 - 110		625.1
2,4,6-Tribromophenol (surr)		85 %R	98 %R	95 %R	2/14/2024	% Rec	15 - 110		625.1
Nitrobenzene-D5 (surr)		67 %R	71 %R	73 %R	2/14/2024	% Rec	30 - 130		625.1
2-Fluorobiphenyl (surr)		75 %R	74 %R	76 %R	2/14/2024	% Rec	30 - 130		625.1
p-Terphenyl-D14 (surr)		80 %R	83 %R	81 %R	2/14/2024	% Rec	30 - 130		625.1

*// Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01
Matrix: aqueous
Date Sampled: 2/13/24
Date Received: 2/13/24
Units: mg/L
Date of Extraction/Prep: 2/15/24
Date of Analysis: 2/15/24
Analyst: WOD
Method: 1664B
Dilution Factor: 1
Oil & Grease (HEM) 15
TPH(SGTHEM) < 6



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Batch ID: 638435-84169/A021524OG1661

Client Designation: NCES | Leachate

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Oil & Grease (HEM)	< 5	39 (98 %R)	38 (95 %R) (3 RPD)	2/15/2024	mg/L	78 - 114	18	1664B

*! Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Batch ID: 638435-19340/A021524TPH161

Client Designation: NCES | Leachate

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
TPH(SGTHEM)	< 5	19 (97 %R)	21 (103 %R) (7 RPD)	2/15/2024	mg/L	64 - 132	34	1664B

*! Flagged analyte recoveries deviated from the QA/QC limits. Data that impacts sample results are noted on the sample report.



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01

Matrix: aqueous

Date Sampled: 2/13/24

Date Received: 2/13/24

Solids Suspended	200
Sulfate	120
Nitrate/Nitrite-N	< 0.5
Cyanide Total	0.098
Ammonia-N	830
TKN	930
Total Nitrogen	930
Total Phosphorus-P	4.6
Sulfide	5.2
Sulfite	6
BOD	160
CBOD	120
COD	1700
Total Phenols	0.21

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	2/15/24	11:15	2540D-11	ABL
mg/L	2/15/24	14:27	300.0	ALS
mg/L	2/14/24	9:23	353.2	ALS
mg/L	2/16/24	10:54	ASTM D7511-09	SEC
mg/L	2/15/24	11:25	TM NH3-001	PEN
mg/L	2/20/24	15:37	4500N _{org} C/NH3D	GRS
mg/L	2/22/24	9:29	CALC	GRS
mg/L	2/15/24	10:24	365.1	PHA
mg/L	2/15/24	14:00	8131HACH	PHA
mg/L	2/13/24	16:55	377.1	CJJ
mg/L	2/14/24	16:51	5210B-11	GRS
mg/L	2/14/24	17:00	5210B-11	GRS
mg/L	2/16/24	9:05	H8000	JCS
mg/L	2/22/24	10:30	420.1	ABL



QC REPORT

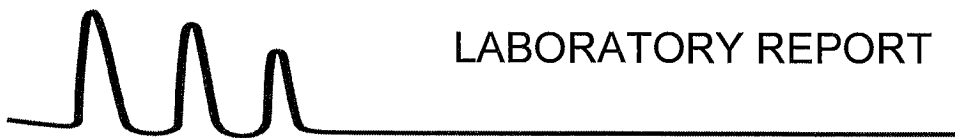
EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Solids Suspended	< 5	98 (106 %R)	NA	mg/L	2/15/24	85 - 115		2540D-11
Sulfate	< 1	19 (94 %R)	19 (94 %R) (0 RPD)	mg/L	2/16/24	90 - 110	20	300.0
Nitrate/Nitrite-N	< 0.5	5.1 (102 %R)	4.9 (98 %R) (3 RPD)	mg/L	2/14/24	90 - 110	20	353.2
Cyanide Total	< 0.02	0.099 (99 %R)	0.10 (102 %R) (3 RPD)	mg/L	2/16/24	84 - 116	20	ASTM D7511-09
Ammonia-N	< 0.05	2.0 (100 %R)	1.9 (97 %R) (3 RPD)	mg/L	2/15/24	87 - 104	20	TM NH3-001
TKN	< 0.5	10 (101 %R)	10 (101 %R) (1 RPD)	mg/L	2/20/24	90 - 111	20	4500N _{oro} C/NH3D-11
Total Phosphorus-P	< 0.01	0.30 (99 %R)	0.31 (102 %R) (3 RPD)	mg/L	2/15/24	90 - 110	20	365.1
Sulfide	< 0.1	0.38 (95 %R)	0.38 (95 %R) (0 RPD)	mg/L	2/15/24	80 - 120	20	8131HACH
Sulfite	< 2	2 (100 %R)	2 (100 %R) (0 RPD)	mg/L	2/13/24	80 - 120	20	377.1
BOD	< 6	200 (99 %R)	NA	mg/L	2/14/24	84 - 115		5210B-11
CBOD	< 6	230 (115 %R)	NA	mg/L	2/14/24	60 - 120		5210B-11
COD	< 10	99 (99 %R)	98 (98 %R) (1 RPD)	mg/L	2/16/24	85 - 115	20	H8000
Total Phenols	< 0.05	0.20 (102 %R)	NA	mg/L	2/22/24	85 - 115	20	420.1

*// Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.



LABORATORY REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Sample ID: NCES/Leachate

Lab Sample ID: 274027.01

Matrix: aqueous

Date Sampled: 2/13/24

Date Received: 2/13/24

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Arsenic	0.14	AqTot	mg/L	2/16/24	200.8	DS
Barium	0.49	AqTot	mg/L	2/16/24	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	2/16/24	200.8	DS
Boron	13	AqTot	mg/L	2/16/24	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	2/16/24	200.8	DS
Chromium	0.31	AqTot	mg/L	2/16/24	200.8	DS
Copper	0.56	AqTot	mg/L	2/16/24	200.8	DS
Iron	34	AqTot	mg/L	2/16/24	200.8	DS
Lead	0.019	AqTot	mg/L	2/16/24	200.8	DS
Mercury	0.00051	AqTot	mg/L	2/16/24	200.8	DS
Nickel	0.13	AqTot	mg/L	2/16/24	200.8	DS
Silver	< 0.001	AqTot	mg/L	2/16/24	200.8	DS
Zinc	0.14	AqTot	mg/L	2/16/24	200.8	DS



QC REPORT

EAI ID#: 274027

Client: North Country Env. Svcs., Inc. (NH)

Client Designation: NCES | Leachate

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	< 0.0005	0.41 (102 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Barium	< 0.001	0.42 (106 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Beryllium	< 0.001	0.42 (105 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Boron	< 0.05	0.43 (107 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Cadmium	< 0.001	0.41 (103 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Chromium	< 0.001	0.41 (103 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Copper	< 0.001	0.41 (102 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Iron	< 0.05	11 (109 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Lead	< 0.001	0.39 (97 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Mercury	< 0.0001	0.00090 (90 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Nickel	< 0.001	0.41 (102 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Silver	< 0.001	0.021 (104 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8
Zinc	< 0.005	0.42 (105 %R)	NA	mg/L	2/16/24	85 - 115	20	200.8

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

TABLE 1
Summary of Monitoring Data – Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
February 13, 2024

	Analyte	Units	Tank B
			2/13/2024
Indicator Parameters	Ammonia	mg/L	830
	Biological Oxygen Demand	mg/L	160
	Carbonaceous Biochemical Oxygen Demand (CBOD)	mg/L	120
	Chemical Oxygen Demand	mg/L	1,700
	Nitrate + Nitrite	mg/L	<0.5
	Sulfate	mg/L	120
	Sulfide	mg/L	5.2
	Sulfite	mg/L	6
	Total Cyanide	mg/L	0.098
	Total Kjeldahl Nitrogen (TKN)	mg/L	930
	Total Nitrogen	mg/L	930
	Total Phenols	mg/L	0.21
	Total Phosphorus	mg/L	4.6
Total Suspended Solids	mg/L	200	
Total Metals	Arsenic	mg/L	0.14
	Barium	mg/L	0.49
	Beryllium	mg/L	<0.001
	Boron	mg/L	13
	Cadmium	mg/L	<0.001
	Chromium	mg/L	0.31
	Copper	mg/L	0.56
	Iron	mg/L	34
	Lead	mg/L	0.019
	Mercury	mg/L	0.00051
	Nickel	mg/L	0.13
	Silver	mg/L	<0.001
Zinc	mg/L	0.14	
TPH	Oil & Grease: Petroleum or Mineral origin	mg/L	15
	Oil & Grease: Animal or Vegetable origin	mg/L	<6

Notes:

1. Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.
2. Results are presented in milligrams per liter (mg/L) which is equivalent to parts per million.
3. "<" indicates the analyte was not detected above the listed laboratory reporting limit.

TABLE 2
Summary of Monitoring Data – Tank B Leachate - TTO Parameters
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
February 13, 2024

	Analyte	Units	Tank_B
			2/13/2024
Purgeables	Acetone	ug/L	950
	Acrolein	ug/L	<500
	Acrylonitrile	ug/L	<500
	Benzene	ug/L	<10
	Bromodichloromethane	ug/L	<5
	Bromoform	ug/L	<20
	Bromomethane	ug/L	<20
	Butanone (2-) (MEK)	ug/L	1,000
	Carbon tetrachloride	ug/L	<10
	Chlorobenzene (Monochlorobenzene)	ug/L	<10
	Chloroethane	ug/L	<20
	Chloroethylvinyl ether (2-)	ug/L	<20
	Chloroform (Trichloromethane)	ug/L	<10
	Chloromethane	ug/L	<20
	Dibromochloromethane	ug/L	<10
	Dichlorobenzene (1,2-)	ug/L	<10
	Dichlorobenzene (1,3-)	ug/L	<10
	Dichlorobenzene (1,4-)	ug/L	<10
	Dichloroethane (1,1-)	ug/L	<10
	Dichloroethane (1,2-)	ug/L	<10
	Dichloroethene (1,1-)	ug/L	<5
	Dichloroethene (cis-1,2-)	ug/L	<10
	Dichloroethene (trans-1,2-)	ug/L	<10
	Dichloropropane (1,2-)	ug/L	<10
	Dichloropropene (cis-1,3-)	ug/L	<5
	Dichloropropene (trans-1,3-)	ug/L	<5
	Ethylbenzene	ug/L	23
	Hexanone (2-)	ug/L	<100
	Methyl-2-pentanone (4-) (MIBK)	ug/L	<100
	Methylene Chloride (Dichloromethane)	ug/L	<10
	Methyl-tert Butyl Ether (MTBE)	ug/L	<10
	Styrene	ug/L	<10
	Tetrachloroethane (1,1,2,2-)	ug/L	<10
	Tetrachloroethene (PCE)	ug/L	<10
Toluene	ug/L	23	
Trichloroethane (1,1,1-)	ug/L	<10	
Trichloroethane (1,1,2-)	ug/L	<10	
Trichloroethene (TCE)	ug/L	<10	
Trichlorofluoromethane (CFC11)	ug/L	<20	
Vinyl acetate	ug/L	<100	
Vinyl chloride	ug/L	<10	
Xylene (m,p-)	ug/L	31	
Xylene (o-)	ug/L	22	
Base/Neutrals and Acids	Acenaphthene	ug/L	<10
	Acenaphthylene	ug/L	<10
	Acetophenone	ug/L	<100
	Aniline	ug/L	21
	Anthracene	ug/L	<10
	Azobenzene	ug/L	<10
	Benidine	ug/L	<50
	Benzo(a)anthracene	ug/L	<10
	Benzo(a)pyrene	ug/L	<10
	Benzo(b)fluoranthene	ug/L	<10
	Benzo(g,h,i)perylene	ug/L	<10
	Benzo(k)fluoranthene	ug/L	<10
	Benzoic acid	ug/L	<500
	Benzyl Alcohol	ug/L	<100
	bis(2-Chloroethoxy)methane	ug/L	<10
	bis(2-Chloroethyl)ether	ug/L	<10
	bis(2-Chloroisopropyl)ether	ug/L	<10
	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	ug/L	<50
	Bromophenyl-phenylether (4-)	ug/L	<10
	Butylbenzylphthalate	ug/L	<50

TABLE 2
Summary of Monitoring Data – Tank B Leachate - TTO Parameters
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
February 13, 2024

	Analyte	Units	Tank_B
			2/13/2024
Base/Neutrals and Acids	Carbazole	ug/L	<10
	Chloro-3-methylphenol (4-)	ug/L	<10
	Chloroaniline (4-)	ug/L	<10
	Chloronaphthalene (2-)	ug/L	<10
	Chlorophenol (2-)	ug/L	<10
	Chlorophenyl-phenylether (4-)	ug/L	<10
	Chrysene	ug/L	<10
	Decane (n-)	ug/L	<50
	Dibenz(a,h)anthracene	ug/L	<10
	Dibenzofuran	ug/L	<10
	Dichloroaniline (2,3-)	ug/L	<10
	Dichlorobenzene (1,2-)	ug/L	<10
	Dichlorobenzene (1,3-)	ug/L	<10
	Dichlorobenzene (1,4-)	ug/L	<10
	Dichlorobenzidine (3,3'-)	ug/L	<10
	Dichlorophenol (2,4-)	ug/L	<10
	Diethylphthalate	ug/L	<50
	Dimethylphenol (2,4-)	ug/L	<50
	Dimethylphthalate	ug/L	<10
	Di-n-butylphthalate (Dibutylphthalate)	ug/L	<50
	Dinitro-2-methylphenol (4,6-)	ug/L	<50
	Dinitrophenol (2,4-)	ug/L	<100
	Dinitrotoluene (2,4-)	ug/L	<20
	Dinitrotoluene (2,6-)	ug/L	<20
	Di-n-octylphthalate	ug/L	<50
	Fluoranthene	ug/L	<10
	Fluorene	ug/L	<10
	Hexachlorobenzene	ug/L	<10
	Hexachlorobutadiene	ug/L	<10
	Hexachlorocyclopentadiene	ug/L	<50
	Hexachloroethane	ug/L	<10
	Indeno(1,2,3-cd)pyrene	ug/L	<10
	Isophorone	ug/L	<10
	Methylnaphthalene (1-)	ug/L	<10
	Methylnaphthalene (2-)	ug/L	<10
	Methylphenol (2-)	ug/L	10
	Methylphenol (3,4-)	ug/L	46
	Naphthalene	ug/L	13
	Nitroaniline (2-)	ug/L	<50
	Nitroaniline (3-)	ug/L	<50
	Nitroaniline (4-)	ug/L	<50
	Nitrobenzene	ug/L	<10
Nitrophenol (2-)	ug/L	<50	
Nitrophenol (4-)	ug/L	<50	
Nitrosodimethylamine (N-)	ug/L	<10	
Nitroso-di-n-propylamine (N-)	ug/L	<5	
Nitrosodiphenylamine (N-)	ug/L	<10	
Octadecane (n-)	ug/L	<50	
Pentachlorophenol	ug/L	<50	
Phenanthrene	ug/L	<10	
Phenol	ug/L	21	
Pyrene	ug/L	<10	
Pyridine	ug/L	<50	
Terpineol (alpha-)	ug/L	200	
Trichlorobenzene (1,2,4-)	ug/L	<10	
Trichlorophenol (2,4,5-)	ug/L	<10	
Trichlorophenol (2,4,6-)	ug/L	<10	
Total Toxic Organics	ug/L	2,360	

Notes:

1. Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.
2. Results are presented in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb).
3. "<" indicates the analyte was not detected above the listed laboratory reporting limit.