

June 02, 2020

Ms. Jaime Colby, P.E.
New Hampshire Department of Environmental Services
Waste Management Division
29 Hazen Drive
Concord, NH 03302-0095

**RE: North Country Environmental Services, Inc.
Landfill Facility - Bethlehem, N.H
Tri-Annual Leachate Report
April 2020**

Dear Ms. Colby:

Consistent with New Hampshire Department of Environmental Services Solid Waste Rule Env-Sw 806.08(i), North Country Environmental Services, Inc. submits the required leachate analysis for the above referenced facility.

Should you have any questions please do not hesitate to contact me at (802) 851-6606.

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.




Lindsey Menard
Permits, Compliance & Engineering

Enclosures

c. Kevin Roy, NCES
John Gay, NCES

Leachate Field Sampling Summary

		Project Number: 2637.07		Date(s): April 22, 2020			
		Project Name: North Country Environmental Services, Inc.					
		Project Location: Bethlehem, New Hampshire					
pH, Conductivity, Temperature Meter(s): Oakton PC450				Project Manager: T. White			
Turbidity: N/A				Collector(s): M. Stein			
				Weather: Light Snow, 20s °F			
Field Measurements							
Sampling Location	Sample Date	Sample Time	pH (S.U.)	Specific Conductance (µS/cm)	Temp. (°C)	Purge/Sample Device	Comment No.
Tank B Leachate	4/22/2020	9:55	8.0	14,460	13.0	Peristaltic Pump	1
Stage I and Stage IV Phase II Combined Leachate	4/22/2020	8:11	7.6	16,760	20.7	Laboratory Container	2
Stage III Combined Leachate	4/22/2020	8:50	7.5	12,840	22.1	Laboratory Container	3
Stage III Secondary Leachate	4/22/2020	9:00	6.9	5,790	19.8	Laboratory Container	4,7
Stage IV Phase I Combined & Stage V Combined Leach	4/22/2020	9:20	7.6	14,120	19.8	Laboratory Container	5
Stage IV Phase I Secondary Leachate	4/22/2020	9:40	7.7	14,660	24.3	Laboratory Container	6
QC_TB	4/22/2020	10:10	-	-	-	Prepared by EAI	-
QC_TB	4/22/2020	10:10	-	-	-	Prepared by EAI	-
Comments							
<p>1. The Tank B leachate sample was collected from leachate underground storage tank (UST) "B," which is the final leachate load-out location, and thus represents combined leachate from all of the landfill stages and phases. The sample was collected using a peristaltic pump and dedicated HDPE and silicone tubing.</p> <p>2. The Stage I and Stage IV Phase II combined (primary and secondary combined leachate) sample was obtained from a sample port inside the Stage IV leachate side-riser building.</p> <p>3. The Stage III combined leachate sample was collected from a sample port inside the Stage III leachate side-riser building.</p> <p>4. The Stage III secondary detection liquid sample was collected from a sample port inside the Stage III leachate side-riser building. Masterflex® Tygon tubing was used for sample collection from sample port.</p> <p>5. The Stage IV Phase I combined and Stage V combined sample includes primary leachate and secondary detection liquid from Stage II Phases I and II and Stage V. The sample was obtained from a sample port inside the Stage IV leachate side-riser building.</p> <p>6. The Stage IV Phase I Secondary Leachate (secondary detection liquid) sample was obtained from a sample port inside the Stage IV leachate side-riser building.</p> <p>7. Sample appeared foamy.</p>							



Eastern Analytical, Inc.

professional laboratory and drilling services

Tim White
Sanborn, Head & Associates, Inc. (NH)
20 Foundry Street
Concord, NH 03301



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 209322
Client Identification: NCES | Leachate / 2637.07
Date Received: 4/22/2020

Dear Mr. White :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

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

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery


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) and New York (12072).

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 the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days 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

4.30.20
Date

27
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Temperature upon receipt (°C): 2.1

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

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
209322.01	Tank_B_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.02	StI_StIVPhII_Comb_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.03	StIII_Comb_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.04	StIII_Sec_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.05	StIVPhI_StV_Comb_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.06	StIVPhI_Sec_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.07	TB-Leach-01_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy
209322.08	TB-LL-Leach-01_20200422	4/22/20	4/22/20	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

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

References include:

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



LABORATORY REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Sample ID:	Tank_B_20200422	Stl_StlVPhll_Comb_2020 0422	Still_Comb_20200422	Still_Sec_20200422
Lab Sample ID:	209322.01	209322.02	209322.03	209322.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	4/24/20	4/24/20	4/24/20	4/24/20
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	10	20	5	5
Dichlorodifluoromethane	< 20	< 40	< 10	< 10
Chloromethane	< 20	< 40	< 10	< 10
Vinyl chloride	< 10	< 20	< 5	< 5
Bromomethane	< 20	< 40	< 10	< 10
Chloroethane	< 20	< 40	< 10	< 10
Trichlorofluoromethane	< 20	< 40	< 10	< 10
Diethyl Ether	21	< 40	< 10	< 10
Acetone	1700	3100	66	< 50
1,1-Dichloroethene	< 5	< 10	< 3	< 3
tert-Butyl Alcohol (TBA)	1400	1800	440	640
Methylene chloride	< 10	< 20	< 5	< 5
Carbon disulfide	< 20	< 40	< 10	< 10
Methyl-t-butyl ether(MTBE)	< 10	< 20	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 20	< 40	< 10	< 10
Isopropyl ether(DIPE)	< 20	< 40	< 10	< 10
tert-amyl methyl ether(TAME)	< 20	< 40	< 10	< 10
trans-1,2-Dichloroethene	< 10	< 20	< 5	< 5
1,1-Dichloroethane	< 10	< 20	< 5	< 5
2,2-Dichloropropane	< 10	< 20	< 5	< 5
cis-1,2-Dichloroethene	< 10	< 20	< 5	< 5
2-Butanone(MEK)	2000	3200	63	< 50
Bromochloromethane	< 10	< 20	< 5	< 5
Tetrahydrofuran(THF)	1100	1200	230	170
Chloroform	< 10	< 20	< 5	< 5
1,1,1-Trichloroethane	< 10	< 20	< 5	< 5
Carbon tetrachloride	< 10	< 20	< 5	< 5
1,1-Dichloropropene	< 10	< 20	< 5	< 5
Benzene	< 10	< 20	< 5	< 5
1,2-Dichloroethane	< 10	< 20	< 5	< 5
Trichloroethene	< 10	< 20	< 5	< 5
1,2-Dichloropropane	< 10	< 20	< 5	< 5
Dibromomethane	< 10	< 20	< 5	< 5
Bromodichloromethane	< 5	< 10	< 3	< 3
1,4-Dioxane	< 500	< 1000	< 300	< 300
4-Methyl-2-pentanone(MIBK)	< 100	< 200	< 50	< 50
cis-1,3-Dichloropropene	< 5	< 10	< 3	< 3
Toluene	25	< 20	6.8	< 5
trans-1,3-Dichloropropene	< 5	< 10	< 3	< 3
1,1,2-Trichloroethane	< 10	< 20	< 5	< 5
2-Hexanone	< 100	< 200	< 50	< 50
Tetrachloroethene	< 10	< 20	< 5	< 5
1,3-Dichloropropane	< 10	< 20	< 5	< 5
Dibromochloromethane	< 10	< 20	< 5	< 5
1,2-Dibromoethane(EDB)	< 5	< 10	< 3	< 3
Chlorobenzene	< 10	< 20	< 5	< 5
1,1,1,2-Tetrachloroethane	< 10	< 20	< 5	< 5
Ethylbenzene	13	20	21	14



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	Tank_B_20200422	Stl_StIVPhII_Comb_2020 0422	Still_Comb_20200422	Still_Sec_20200422
Lab Sample ID:	209322.01	209322.02	209322.03	209322.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	4/24/20	4/24/20	4/24/20	4/24/20
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	10	20	5	5
mp-Xylene	23	40	19	< 5
o-Xylene	14	24	13	< 5
Styrene	< 10	< 20	< 5	< 5
Bromoform	< 20	< 40	< 10	< 10
IsoPropylbenzene	< 10	< 20	< 5	< 5
Bromobenzene	< 10	< 20	< 5	< 5
1,1,2,2-Tetrachloroethane	< 10	< 20	< 5	< 5
1,2,3-Trichloropropane	< 5	< 10	< 3	< 3
n-Propylbenzene	< 10	< 20	< 5	< 5
2-Chlorotoluene	< 10	< 20	< 5	< 5
4-Chlorotoluene	< 10	< 20	< 5	< 5
1,3,5-Trimethylbenzene	< 10	< 20	< 5	< 5
tert-Butylbenzene	< 10	< 20	< 5	< 5
1,2,4-Trimethylbenzene	< 10	< 20	8.4	< 5
sec-Butylbenzene	< 10	< 20	< 5	< 5
1,3-Dichlorobenzene	< 10	< 20	< 5	< 5
p-Isopropyltoluene	< 10	< 20	< 5	< 5
1,4-Dichlorobenzene	< 10	< 20	7.9	9.3
1,2-Dichlorobenzene	< 10	< 20	< 5	< 5
n-Butylbenzene	< 10	< 20	< 5	< 5
1,2-Dibromo-3-chloropropane	< 20	< 40	< 10	< 10
1,3,5-Trichlorobenzene	< 10	< 20	< 5	< 5
1,2,4-Trichlorobenzene	< 10	< 20	< 5	< 5
Hexachlorobutadiene	< 5	< 10	< 3	< 3
Naphthalene	< 20	< 40	17	< 10
1,2,3-Trichlorobenzene	< 5	< 10	< 3	< 3
4-Bromofluorobenzene (surr)	95 %R	97 %R	100 %R	97 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R	100 %R	102 %R	103 %R
Toluene-d8 (surr)	95 %R	95 %R	92 %R	92 %R
1,2-Dichloroethane-d4 (surr)	93 %R	94 %R	94 %R	95 %R

Still_Comb_20200422, Still_Sec_20200422:

Hexachlorobutadiene exhibited recovery outside acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: StIVPhI_StV_Comb_20200422 StIVPhI_Sec_20200422 TB-Leach-01_20200422

Lab Sample ID:	209322.05	209322.06	209322.07
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L
Date of Analysis:	4/24/20	4/24/20	4/24/20
Analyst:	DGM	DGM	DGM
Method:	8260C	8260C	8260C
Dilution Factor:	20	5	1

Dichlorodifluoromethane	< 40	< 10	< 2
Chloromethane	< 40	< 10	< 2
Vinyl chloride	< 20	< 5	< 1
Bromomethane	< 40	< 10	< 2
Chloroethane	< 40	< 10	< 2
Trichlorofluoromethane	< 40	< 10	< 2
Diethyl Ether	< 40	< 10	< 2
Acetone	2600	< 50	< 10
1,1-Dichloroethene	< 10	< 3	< 0.5
tert-Butyl Alcohol (TBA)	1700	990	< 30
Methylene chloride	< 20	< 5	< 1
Carbon disulfide	< 40	< 10	< 2
Methyl-t-butyl ether(MTBE)	< 20	< 5	< 1
Ethyl-t-butyl ether(ETBE)	< 40	< 10	< 2
Isopropyl ether(DIPE)	< 40	< 10	< 2
tert-amyl methyl ether(TAME)	< 40	< 10	< 2
trans-1,2-Dichloroethene	< 20	< 5	< 1
1,1-Dichloroethane	< 20	< 5	< 1
2,2-Dichloropropane	< 20	< 5	< 1
cis-1,2-Dichloroethene	< 20	< 5	< 1
2-Butanone(MEK)	3200	< 50	< 10
Bromochloromethane	< 20	< 5	< 1
Tetrahydrofuran(THF)	1700	200	< 10
Chloroform	< 20	< 5	< 1
1,1,1-Trichloroethane	< 20	< 5	< 1
Carbon tetrachloride	< 20	< 5	< 1
1,1-Dichloropropene	< 20	< 5	< 1
Benzene	< 20	< 5	< 1
1,2-Dichloroethane	< 20	< 5	< 1
Trichloroethene	< 20	< 5	< 1
1,2-Dichloropropane	< 20	< 5	< 1
Dibromomethane	< 20	< 5	< 1
Bromodichloromethane	< 10	< 3	< 0.5
1,4-Dioxane	< 1000	< 300	< 50
4-Methyl-2-pentanone(MIBK)	< 200	< 50	< 10
cis-1,3-Dichloropropene	< 10	< 3	< 0.5
Toluene	81	< 5	< 1
trans-1,3-Dichloropropene	< 10	< 3	< 0.5
1,1,2-Trichloroethane	< 20	< 5	< 1
2-Hexanone	< 200	< 50	< 10
Tetrachloroethene	< 20	< 5	< 1
1,3-Dichloropropane	< 20	< 5	< 1
Dibromochloromethane	< 20	< 5	< 1
1,2-Dibromoethane(EDB)	< 10	< 3	< 0.5
Chlorobenzene	< 20	< 5	< 1
1,1,1,2-Tetrachloroethane	< 20	< 5	< 1
Ethylbenzene	36	< 5	< 1



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: StIVPhI_StV_Comb_20200422 StIVPhI_Sec_20200422 TB-Leach-01_20200422

Lab Sample ID:	209322.05	209322.06	209322.07
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L
Date of Analysis:	4/24/20	4/24/20	4/24/20
Analyst:	DGM	DGM	DGM
Method:	8260C	8260C	8260C
Dilution Factor:	20	5	1
mp-Xylene	56	< 5	< 1
o-Xylene	27	< 5	< 1
Styrene	< 20	< 5	< 1
Bromoform	< 40	< 10	< 2
IsoPropylbenzene	< 20	< 5	< 1
Bromobenzene	< 20	< 5	< 1
1,1,2,2-Tetrachloroethane	< 20	< 5	< 1
1,2,3-Trichloropropane	< 10	< 3	< 0.5
n-Propylbenzene	< 20	< 5	< 1
2-Chlorotoluene	< 20	< 5	< 1
4-Chlorotoluene	< 20	< 5	< 1
1,3,5-Trimethylbenzene	< 20	< 5	< 1
tert-Butylbenzene	< 20	< 5	< 1
1,2,4-Trimethylbenzene	< 20	< 5	< 1
sec-Butylbenzene	< 20	< 5	< 1
1,3-Dichlorobenzene	< 20	< 5	< 1
p-Isopropyltoluene	< 20	< 5	< 1
1,4-Dichlorobenzene	< 20	< 5	< 1
1,2-Dichlorobenzene	< 20	< 5	< 1
n-Butylbenzene	< 20	< 5	< 1
1,2-Dibromo-3-chloropropane	< 40	< 10	< 2
1,3,5-Trichlorobenzene	< 20	< 5	< 1
1,2,4-Trichlorobenzene	< 20	< 5	< 1
Hexachlorobutadiene	< 10	< 3	< 0.5
Naphthalene	< 40	< 10	< 2
1,2,3-Trichlorobenzene	< 10	< 3	< 0.5
4-Bromofluorobenzene (surr)	96 %R	98 %R	88 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R	101 %R	108 %R
Toluene-d8 (surr)	95 %R	94 %R	93 %R
1,2-Dichloroethane-d4 (surr)	94 %R	93 %R	100 %R

StIVPhI_StV_Comb_20200422:

Hexachlorobutadiene exhibited recovery outside acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	25 (123 %R)	24 (120 %R) (2 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
Chloromethane	< 2	28 (142 %R)	28 (140 %R) (2 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	17 (83 %R)	16 (82 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Bromomethane	< 2	17 (87 %R)	17 (86 %R) (2 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
Chloroethane	< 2	19 (97 %R)	19 (95 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	21 (104 %R)	20 (100 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	18 (92 %R)	18 (92 %R) (0 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Acetone	< 10	17 (85 %R)	18 (88 %R) (3 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	20 (101 %R)	20 (98 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	85 (85 %R)	89 (89 %R) (5 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	21 (107 %R)	21 (104 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	19 (96 %R)	19 (93 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	20 (102 %R)	21 (104 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	22 (109 %R)	22 (109 %R) (0 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	20 (101 %R)	20 (101 %R) (0 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	23 (115 %R)	23 (116 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	21 (104 %R)	20 (100 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	20 (102 %R)	20 (99 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	24 (118 %R)	23 (114 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	23 (114 %R)	22 (112 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	18 (92 %R)	19 (95 %R) (3 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	22 (108 %R)	21 (107 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	16 (81 %R)	17 (85 %R) (5 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Chloroform	< 1	21 (103 %R)	20 (101 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	22 (112 %R)	22 (109 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	21 (105 %R)	20 (102 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	22 (112 %R)	22 (108 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Benzene	< 1	21 (107 %R)	21 (104 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	19 (96 %R)	19 (95 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	22 (109 %R)	21 (105 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	21 (104 %R)	21 (103 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	20 (100 %R)	20 (100 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	22 (108 %R)	21 (106 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (122 %R)	< 50 (124 %R) (2 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	21 (104 %R)	21 (107 %R) (3 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	22 (111 %R)	22 (108 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Toluene	< 1	21 (104 %R)	20 (100 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	20 (102 %R)	20 (100 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	20 (99 %R)	19 (97 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	18 (90 %R)	18 (92 %R) (2 RPD)	4/23/2020	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	18 (92 %R)	18 (91 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	19 (95 %R)	19 (93 %R) (2 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	20 (102 %R)	20 (98 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	21 (106 %R)	20 (102 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	20 (100 %R)	19 (97 %R) (3 RPD)	4/23/2020	ug/L	70 - 130	20	8260C



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (117 %R)	22 (112 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	48 (121 %R)	47 (116 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
o-Xylene	< 1	23 (117 %R)	22 (112 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Styrene	< 1	* 27 (133 %R)	24 (118 %R) (12 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Bromoform	< 2	19 (93 %R)	18 (92 %R) (1 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	* 26 (132 %R)	25 (127 %R) (4 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	21 (107 %R)	19 (95 %R) (12 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	21 (104 %R)	19 (94 %R) (10 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	20 (102 %R)	19 (93 %R) (10 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	25 (124 %R)	22 (108 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	24 (119 %R)	21 (103 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	23 (113 %R)	20 (99 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	26 (129 %R)	23 (113 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	24 (119 %R)	21 (104 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	* 26 (131 %R)	23 (115 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	25 (123 %R)	21 (107 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	23 (114 %R)	20 (100 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	25 (126 %R)	22 (110 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	21 (107 %R)	19 (95 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	21 (107 %R)	19 (95 %R) (12 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	22 (110 %R)	19 (96 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	17 (87 %R)	16 (79 %R) (9 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	20 (100 %R)	18 (88 %R) (13 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	20 (99 %R)	18 (88 %R) (12 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	16 (82 %R)	14 (71 %R) (14 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
Naphthalene	< 2	20 (98 %R)	18 (89 %R) (9 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	19 (95 %R)	17 (85 %R) (11 RPD)	4/23/2020	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	90 %R	101 %R	106 %R	4/23/2020	% Rec	70 - 130	20	8260C
1,2-Dichlorobenzene-d4 (surr)	107 %R	99 %R	96 %R	4/23/2020	% Rec	70 - 130	20	8260C
Toluene-d8 (surr)	94 %R	95 %R	94 %R	4/23/2020	% Rec	70 - 130	20	8260C
1,2-Dichloroethane-d4 (surr)	99 %R	90 %R	91 %R	4/23/2020	% Rec	70 - 130	20	8260C

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 2	24 (119 %R)	25 (123 %R) (4 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
Chloromethane	< 2	30 (149 %R)	31 (153 %R) (3 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
Vinyl chloride	< 1	17 (87 %R)	18 (92 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Bromomethane	< 2	17 (85 %R)	18 (89 %R) (4 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
Chloroethane	< 2	20 (100 %R)	21 (104 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Trichlorofluoromethane	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Diethyl Ether	< 2	18 (90 %R)	18 (91 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Acetone	< 10	18 (89 %R)	18 (90 %R) (1 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
1,1-Dichloroethene	< 0.5	18 (92 %R)	19 (96 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
tert-Butyl Alcohol (TBA)	< 30	98 (98 %R)	98 (98 %R) (0 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Methylene chloride	< 1	21 (105 %R)	22 (108 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Carbon disulfide	< 2	17 (87 %R)	18 (92 %R) (6 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Methyl-t-butyl ether(MTBE)	< 1	20 (102 %R)	21 (104 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Ethyl-t-butyl ether(ETBE)	< 2	21 (106 %R)	22 (109 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Isopropyl ether(DIPE)	< 2	20 (98 %R)	20 (101 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
tert-amyl methyl ether(TAME)	< 2	23 (114 %R)	23 (116 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
trans-1,2-Dichloroethene	< 1	19 (95 %R)	20 (100 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1-Dichloroethane	< 1	19 (95 %R)	20 (100 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
2,2-Dichloropropane	< 1	22 (112 %R)	23 (115 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
cis-1,2-Dichloroethene	< 1	22 (109 %R)	22 (112 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
2-Butanone(MEK)	< 10	20 (98 %R)	20 (98 %R) (0 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
Bromochloromethane	< 1	21 (104 %R)	21 (106 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Tetrahydrofuran(THF)	< 10	17 (85 %R)	17 (86 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Chloroform	< 1	19 (97 %R)	20 (101 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1,1-Trichloroethane	< 1	21 (103 %R)	22 (108 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Carbon tetrachloride	< 1	19 (96 %R)	20 (101 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1-Dichloropropene	< 1	20 (101 %R)	21 (106 %R) (5 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Benzene	< 1	20 (99 %R)	21 (103 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2-Dichloroethane	< 1	19 (93 %R)	19 (95 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Trichloroethene	< 1	20 (100 %R)	21 (105 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2-Dichloropropane	< 1	20 (99 %R)	20 (102 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Dibromomethane	< 1	20 (98 %R)	20 (99 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Bromodichloromethane	< 0.5	21 (104 %R)	21 (107 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,4-Dioxane	< 50	< 50 (120 %R)	< 50 (122 %R) (1 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
4-Methyl-2-pentanone(MIBK)	< 10	22 (111 %R)	22 (110 %R) (1 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
cis-1,3-Dichloropropene	< 0.5	21 (106 %R)	22 (109 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Toluene	< 1	19 (97 %R)	20 (101 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
trans-1,3-Dichloropropene	< 0.5	20 (100 %R)	20 (102 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1,2-Trichloroethane	< 1	19 (97 %R)	20 (99 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
2-Hexanone	< 10	19 (97 %R)	19 (97 %R) (0 RPD)	4/24/2020	ug/L	40 - 160	20	8260C
Tetrachloroethene	< 1	19 (96 %R)	20 (100 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,3-Dichloropropane	< 1	18 (91 %R)	18 (92 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Dibromochloromethane	< 1	19 (94 %R)	19 (96 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2-Dibromoethane(EDB)	< 0.5	20 (98 %R)	20 (100 %R) (2 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Chlorobenzene	< 1	20 (100 %R)	21 (103 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1,1,2-Tetrachloroethane	< 1	19 (96 %R)	20 (99 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	21 (107 %R)	22 (112 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
mp-Xylene	< 1	44 (111 %R)	46 (116 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
o-Xylene	< 1	22 (108 %R)	23 (113 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Styrene	< 1	23 (115 %R)	24 (118 %R) (3 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Bromoform	< 2	19 (96 %R)	19 (97 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
IsoPropylbenzene	< 1	24 (120 %R)	25 (125 %R) (4 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Bromobenzene	< 1	19 (96 %R)	21 (106 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,1,2,2-Tetrachloroethane	< 1	20 (101 %R)	22 (111 %R) (9 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2,3-Trichloropropane	< 0.5	20 (99 %R)	22 (108 %R) (9 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
n-Propylbenzene	< 1	21 (105 %R)	24 (118 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
2-Chlorotoluene	< 1	20 (102 %R)	23 (115 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
4-Chlorotoluene	< 1	21 (104 %R)	22 (111 %R) (6 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,3,5-Trimethylbenzene	< 1	22 (110 %R)	25 (124 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
tert-Butylbenzene	< 1	20 (100 %R)	23 (113 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2,4-Trimethylbenzene	< 1	22 (112 %R)	25 (126 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
sec-Butylbenzene	< 1	20 (102 %R)	23 (116 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,3-Dichlorobenzene	< 1	20 (100 %R)	22 (112 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
p-Isopropyltoluene	< 1	21 (106 %R)	24 (120 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,4-Dichlorobenzene	< 1	19 (95 %R)	21 (106 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2-Dichlorobenzene	< 1	19 (96 %R)	21 (107 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
n-Butylbenzene	< 1	18 (92 %R)	21 (104 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2-Dibromo-3-chloropropane	< 2	17 (85 %R)	19 (93 %R) (9 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,3,5-Trichlorobenzene	< 1	17 (87 %R)	20 (98 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2,4-Trichlorobenzene	< 1	17 (87 %R)	19 (97 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Hexachlorobutadiene	< 0.5	* 14 (69 %R)	16 (78 %R) (12 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
Naphthalene	< 2	18 (91 %R)	20 (101 %R) (10 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
1,2,3-Trichlorobenzene	< 0.5	17 (84 %R)	19 (94 %R) (11 RPD)	4/24/2020	ug/L	70 - 130	20	8260C
4-Bromofluorobenzene (surr)	88 %R	104 %R	101 %R	4/24/2020	% Rec	70 - 130	20	8260C
1,2-Dichlorobenzene-d4 (surr)	107 %R	96 %R	98 %R	4/24/2020	% Rec	70 - 130	20	8260C
Toluene-d8 (surr)	94 %R	94 %R	94 %R	4/24/2020	% Rec	70 - 130	20	8260C
1,2-Dichloroethane-d4 (surr)	99 %R	91 %R	90 %R	4/24/2020	% Rec	70 - 130	20	8260C

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



LABORATORY REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	Tank_B_20200422	StI_StIVPhII_Comb_20200422	StIII_Comb_20200422	StIII_Sec_20200422
Lab Sample ID:	209322.01	209322.02	209322.03	209322.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	4/25/20	4/25/20	4/25/20	4/25/20
Analyst:	JAK	JAK	JAK	JAK
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	100	100	100	100
1,4-Dioxane	130	180	85	59
4-Bromofluorobenzene (surr)	101 %R	101 %R	102 %R	101 %R
Toluene-d8 (surr)	100 %R	100 %R	100 %R	100 %R



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	StIVPhI_StV_Comb_20200422	StIVPhI_Sec_20200422	TB-LL-Leach -01_20200422
Lab Sample ID:	209322.05	209322.06	209322.08
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L
Date of Analysis:	4/25/20	4/26/20	4/25/20
Analyst:	JAK	JAK	JAK
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	100	100	1
1,4-Dioxane	110	120	< 0.25
4-Bromofluorobenzene (surr)	101 %R	102 %R	100 %R
Toluene-d8 (surr)	100 %R	100 %R	100 %R



QC REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 637234-15573/A042520DIOX1

Client Designation: **NCES | Leachate / 2637.07**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 0.2	4.9 (97 %R)	4.7 (94 %R) (3 RPD)	4/25/2020	ug/L	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	100 %R	100 %R	99 %R	4/25/2020	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	100 %R	100 %R	100 %R	4/25/2020	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: Tank_B_20200422

Lab Sample ID: 209322.01
Matrix: aqueous
Date Sampled: 4/22/20
Date Received: 4/22/20
Units: ug/L
Date of Extraction/Preparation: 4/27/20
Date of Analysis: 4/27/20
Analyst: JMR
Method: 8270D
Dilution Factor: 50

alpha-Terpineol	< 300
Phenol	56
2-Chlorophenol	< 50
2,4-Dichlorophenol	< 50
2,4,5-Trichlorophenol	< 50
2,4,6-Trichlorophenol	< 50
Pentachlorophenol	< 300
2-Nitrophenol	< 300
4-Nitrophenol	< 300
2,4-Dinitrophenol	< 500
2-Methylphenol	< 50
3/4-Methylphenol	310
2,4-Dimethylphenol	< 300
4-Chloro-3-methylphenol	< 50
4,6-Dinitro-2-methylphenol	< 300
Benzoic Acid	< 3000
N-Nitrosodimethylamine	< 50
n-Nitroso-di-n-propylamine	< 30
n-Nitrosodiphenylamine	< 50
bis(2-Chloroethyl)ether	< 50
bis(2-chloroisopropyl)ether	< 50
bis(2-Chloroethoxy)methane	< 50
1,3-Dichlorobenzene	< 50
Acetophenone	< 500
1,4-Dichlorobenzene	< 50
1,2-Dichlorobenzene	< 50
1,2,4-Trichlorobenzene	< 50
2-Chloronaphthalene	< 50
4-Chlorophenyl-phenylether	< 50
4-Bromophenyl-phenylether	< 50
Hexachloroethane	< 50
Hexachlorobutadiene	< 50
Hexachlorocyclopentadiene	< 300
Hexachlorobenzene	< 50
4-Chloroaniline	< 50
2,3-Dichloroaniline	< 50
2-Nitroaniline	< 300
3-Nitroaniline	< 300
4-Nitroaniline	< 300
Aniline	< 50
Benzyl alcohol	< 500
Nitrobenzene	< 50
Isophorone	< 50
2,4-Dinitrotoluene	< 100
2,6-Dinitrotoluene	< 100



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: Tank_B_20200422

Lab Sample ID: 209322.01
Matrix: aqueous
Date Sampled: 4/22/20
Date Received: 4/22/20
Units: ug/L
Date of Extraction/Preparation: 4/27/20
Date of Analysis: 4/27/20
Analyst: JMR
Method: 8270D
Dilution Factor: 50

Benzidine (estimated)	< 300
3,3'-Dichlorobenzidine	< 50
Pyridine	< 300
Azobenzene	< 50
Carbazole	< 50
Dimethylphthalate	< 50
Diethylphthalate	< 300
Di-n-butylphthalate	< 300
Butylbenzylphthalate	< 300
bis(2-Ethylhexyl)phthalate	< 300
Di-n-octylphthalate	< 300
Dibenzofuran	< 50
Naphthalene	< 5
2-Methylnaphthalene	< 5
1-Methylnaphthalene	< 5
Acenaphthylene	< 5
Acenaphthene	< 5
Fluorene	< 5
Phenanthrene	< 5
Anthracene	< 5
Fluoranthene	< 5
Pyrene	< 5
Benzo[a]anthracene	< 5
Chrysene	< 5
Benzo[b]fluoranthene	< 5
Benzo[k]fluoranthene	< 5
Benzo[a]pyrene	< 5
Indeno[1,2,3-cd]pyrene	< 5
Dibenz[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
n-Decane	< 300
n-Octadecane	< 300
2-Fluorophenol (surr)	32 %R
Phenol-d6 (surr)	27 %R
2,4,6-Tribromophenol (surr)	93 %R
Nitrobenzene-D5 (surr)	61 %R
2-Fluorobiphenyl (surr)	69 %R
o-Terphenyl-D14 (surr)	80 %R

Detection limits elevated due to sample matrix.



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Batch ID: 637235-70431/A042720ABN1

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
alpha-Terpineol	< 5	18 (74 %R)	17 (70 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Phenol	< 1	14 (29 %R)	13 (27 %R) (7 RPD)	4/27/2020	ug/L	15 - 130	20	8270D
2-Chlorophenol	< 1	32 (63 %R)	30 (60 %R) (6 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
2,4-Dichlorophenol	< 1	37 (73 %R)	35 (71 %R) (3 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
2,4,5-Trichlorophenol	< 1	39 (78 %R)	38 (77 %R) (1 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
2,4,6-Trichlorophenol	< 1	38 (75 %R)	38 (75 %R) (0 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
Pentachlorophenol	< 5	47 (95 %R)	49 (97 %R) (3 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
2-Nitrophenol	< 5	37 (75 %R)	35 (71 %R) (5 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
4-Nitrophenol	< 5	17 (35 %R)	18 (36 %R) (3 RPD)	4/27/2020	ug/L	15 - 130	20	8270D
2,4-Dinitrophenol	< 10	42 (85 %R)	46 (91 %R) (7 RPD)	4/27/2020	ug/L	15 - 130	20	8270D
2-Methylphenol	< 1	30 (60 %R)	29 (58 %R) (5 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
3/4-Methylphenol	< 1	30 (59 %R)	29 (57 %R) (4 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
2,4-Dimethylphenol	< 5	34 (67 %R)	32 (63 %R) (6 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
4-Chloro-3-methylphenol	< 1	37 (75 %R)	36 (73 %R) (2 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
4,6-Dinitro-2-methylphenol	< 5	46 (93 %R)	47 (94 %R) (1 RPD)	4/27/2020	ug/L	30 - 130	20	8270D
Benzoic Acid	< 50	< 50 (25 %R)	< 50 (29 %R) (15 RPD)	4/27/2020	ug/L	15 - 130	20	8270D
N-Nitrosodimethylamine	< 1	11 (44 %R)	10 (41 %R) (7 RPD)	4/27/2020	ug/L	15 - 140	20	8270D
n-Nitroso-di-n-propylamine	< 0.5	18 (71 %R)	17 (67 %R) (7 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
n-Nitrosodiphenylamine	< 1	20 (79 %R)	19 (78 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
bis(2-Chloroethyl)ether	< 1	17 (66 %R)	16 (63 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
bis(2-chloroisopropyl)ether	< 1	16 (62 %R)	15 (59 %R) (7 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
bis(2-Chloroethoxy)methane	< 1	18 (73 %R)	17 (69 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
1,3-Dichlorobenzene	< 1	15 (59 %R)	14 (56 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Acetophenone	< 10	18 (72 %R)	17 (68 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
1,4-Dichlorobenzene	< 1	14 (57 %R)	14 (54 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
1,2-Dichlorobenzene	< 1	15 (60 %R)	14 (57 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
1,2,4-Trichlorobenzene	< 1	16 (65 %R)	15 (62 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2-Chloronaphthalene	< 1	18 (71 %R)	17 (70 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
4-Chlorophenyl-phenylether	< 1	19 (77 %R)	19 (75 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
4-Bromophenyl-phenylether	< 1	20 (80 %R)	19 (78 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Hexachloroethane	< 1	14 (58 %R)	14 (55 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Hexachlorobutadiene	< 1	16 (65 %R)	15 (60 %R) (7 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Hexachlorocyclopentadiene	< 5	14 (55 %R)	14 (54 %R) (1 RPD)	4/27/2020	ug/L	15 - 140	20	8270D
Hexachlorobenzene	< 1	21 (83 %R)	20 (81 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
4-Chloroaniline	< 1	19 (76 %R)	19 (74 %R) (2 RPD)	4/27/2020	ug/L	15 - 140	20	8270D
2,3-Dichloroaniline	< 1	19 (75 %R)	19 (75 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2-Nitroaniline	< 5	20 (78 %R)	19 (78 %R) (0 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
3-Nitroaniline	< 5	20 (80 %R)	20 (81 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
4-Nitroaniline	< 5	21 (84 %R)	22 (86 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Aniline	< 1	16 (64 %R)	15 (62 %R) (4 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzyl alcohol	< 10	17 (66 %R)	16 (62 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Nitrobenzene	< 1	17 (68 %R)	16 (65 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Isophorone	< 1	19 (74 %R)	17 (69 %R) (7 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2,4-Dinitrotoluene	< 2	21 (82 %R)	21 (82 %R) (0 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2,6-Dinitrotoluene	< 2	20 (82 %R)	20 (80 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzidine (estimated)	< 5	17 (68 %R)	17 (68 %R) (0 RPD)	4/27/2020	ug/L	1 - 200	50	8270D



QC REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Batch ID: 637235-70431/A042720ABN1

Client Designation: NCES | Leachate / 2637.07

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
3,3'-Dichlorobenzidine	< 1	21 (86 %R)	22 (87 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Pyridine	< 5	8.9 (36 %R)	8.7 (35 %R) (2 RPD)	4/27/2020	ug/L	15 - 140	20	8270D
Azobenzene	< 1	19 (77 %R)	19 (75 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Carbazole	< 1	21 (83 %R)	21 (84 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Dimethylphthalate	< 1	20 (79 %R)	19 (77 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Diethylphthalate	< 5	21 (86 %R)	21 (83 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Di-n-butylphthalate	< 5	22 (90 %R)	23 (90 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Butylbenzylphthalate	< 5	22 (88 %R)	22 (90 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
bis(2-Ethylhexyl)phthalate	< 5	22 (89 %R)	23 (91 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Di-n-octylphthalate	< 5	22 (88 %R)	22 (89 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Dibenzofuran	< 1	19 (74 %R)	18 (74 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Naphthalene	< 0.1	17 (66 %R)	16 (63 %R) (6 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2-Methylnaphthalene	< 0.1	18 (70 %R)	17 (67 %R) (4 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
1-Methylnaphthalene	< 0.1	18 (71 %R)	17 (68 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Acenaphthylene	< 0.1	18 (70 %R)	17 (69 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Acenaphthene	< 0.1	18 (73 %R)	18 (71 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Fluorene	< 0.1	18 (72 %R)	18 (72 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Phenanthrene	< 0.1	19 (76 %R)	19 (75 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Anthracene	< 0.1	19 (77 %R)	19 (76 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Fluoranthene	< 0.1	19 (78 %R)	20 (79 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Pyrene	< 0.1	19 (74 %R)	19 (76 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzo[a]anthracene	< 0.1	19 (77 %R)	20 (78 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Chrysene	< 0.1	20 (80 %R)	20 (82 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzo[b]fluoranthene	< 0.1	19 (77 %R)	20 (78 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzo[k]fluoranthene	< 0.1	20 (78 %R)	20 (80 %R) (3 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzo[a]pyrene	< 0.1	20 (80 %R)	20 (81 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	22 (87 %R)	22 (88 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Dibenz[a,h]anthracene	< 0.1	21 (85 %R)	22 (86 %R) (1 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
Benzo[g,h,i]perylene	< 0.1	22 (86 %R)	22 (88 %R) (2 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
n-Decane	< 5	12 (49 %R)	12 (46 %R) (7 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
n-Octadecane	< 5	20 (79 %R)	19 (75 %R) (5 RPD)	4/27/2020	ug/L	40 - 140	20	8270D
2-Fluorophenol (surr)	35 %R	38 %R	35 %R	4/27/2020	% Rec	15 - 110		8270D
Phenol-d6 (surr)	27 %R	28 %R	26 %R	4/27/2020	% Rec	15 - 110		8270D
2,4,6-Tribromophenol (surr)	85 %R	89 %R	87 %R	4/27/2020	% Rec	15 - 110		8270D
Nitrobenzene-D5 (surr)	66 %R	71 %R	67 %R	4/27/2020	% Rec	30 - 130		8270D
2-Fluorobiphenyl (surr)	71 %R	73 %R	71 %R	4/27/2020	% Rec	30 - 130		8270D
p-Terphenyl-D14 (surr)	81 %R	81 %R	83 %R	4/27/2020	% Rec	30 - 130		8270D

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*!/Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



LABORATORY REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	Tank_B_20200422	Stl_StiVPhII_Comb _20200422	StIII_Comb_20200422	StIII_Sec_20200422
Lab Sample ID:	209322.01	209322.02	209322.03	209322.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20	4/22/20	4/22/20
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	4/23/20	4/23/20	4/24/20	4/24/20
Date of Analysis:	4/23/20	4/23/20	4/24/20	4/24/20
Analyst:	MA	MA	AR	AR
Method:	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	101 %R	95 %R	89 %R	104 %R



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	StIVPhI_StV_Comb_2020 0422	StIVPhI_Sec_20200 422
Lab Sample ID:	209322.05	209322.06
Matrix:	aqueous	aqueous
Date Sampled:	4/22/20	4/22/20
Date Received:	4/22/20	4/22/20
Units:	ug/L	ug/L
Date of Extraction/Prep:	4/24/20	4/24/20
Date of Analysis:	4/24/20	4/24/20
Analyst:	AR	AR
Method:	8011/504	8011/504
Dilution Factor:	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	88 %R	89 %R



QC REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 637232-28437/A042320E5041

Client Designation: **NCES | Leachate / 2637.07**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.10 (100 %R)	0.10 (100 %R) (0 RPD)	4/23/2020	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.10 (103 %R)	0.10 (103 %R) (0 RPD)	4/23/2020	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	106 %R	101 %R	99 %R	4/23/2020	% Rec	65 - 135	20	8011/504

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



QC REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Batch ID: 637233-14138/A042420E5041

Client Designation: **NCES | Leachate / 2637.07**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (106 %R)	0.11 (106 %R) (0 RPD)	4/24/2020	ug/L	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.11 (111 %R)	0.11 (113 %R) (1 RPD)	4/24/2020	ug/L	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	111 %R	109 %R	110 %R	4/24/2020	% Rec	65 - 135	20	8011/504

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted on the sample page, flagged analytes that exceed acceptance limits in the Quality Control sample do not impact the data.



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: Tank_B_20200422

Lab Sample ID: 209322.01

Matrix: aqueous

Date Sampled: 4/22/20

Date Received: 4/22/20

		Analysis			
		Units	Date	Time	Method Analyst
Solids Suspended	43	mg/L	04/24/20	11:55	2540D-11 KJD
Sulfate	38	mg/L	04/27/20	16:07	300.0 ATA
Chloride	2300	mg/L	04/25/20	12:31	4500CLE-11 KJD
Ammonia-N	850	mg/L	04/24/20	14:35	4500NH3D SEL
TKN	1100	mg/L	04/24/20	18:57	4500N _{org} C/N ATA
Total Phosphorus-P	5.1	mg/L	04/24/20	20:23	365.1 SEL
BOD	390E	mg/L	04/23/20	11:23	5210B-11 RB
CBOD	< 600	mg/L	04/23/20	13:40	5210B-11 RB
COD	2600	mg/L	04/27/20	16:05	H8000 JCS

Sample ID: StI_StIVPhII_Comb_2 0200422 StIII_Comb_202 00422 StIII_Sec_202 00422 StIVPhI_StV_C omb_20200422

Lab Sample ID: 209322.02 209322.03 209322.04 209322.05

Matrix: aqueous aqueous aqueous aqueous

Date Sampled: 4/22/20 4/22/20 4/22/20 4/22/20

Date Received: 4/22/20 4/22/20 4/22/20 4/22/20

					Analysis			
	Units	Date	Time	Method Analyst	Units	Date	Time	Method Analyst
Solids Suspended	450	8.5	130	390	mg/L	04/24/20	11:55	2540D-11 KJD
Sulfate	160	31	560	11	mg/L	04/27/20	16:35	300.0 ATA
Chloride	2800	2300	760	2100	mg/L	04/28/20	16:48	4500CLE-11 ATA
Ammonia-N	870	640	280	890	mg/L	04/24/20	14:35	4500NH3D SEL
TKN	960	650	310	1100	mg/L	04/24/20	19:00	4500N _{org} C/N ATA
BOD	360	100	38	790	mg/L	04/23/20	11:25	5210B-11 RB
COD	2700	2000	710	3500	mg/L	04/27/20	16:05	H8000 JCS

Tank_B_20200422: The dissolved oxygen depletion in the BOD dilutions analyzed did not meet the recommended criteria of 2 mg/L for a valid BOD reading. This is an estimated (E) value. Although several CBOD dilutions were analyzed, oxygen depletion was not great enough to calculate a valid CBOD result. An elevated detection limit has been reported.



LABORATORY REPORT

EAI ID#: **209322**

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID: StIVPhI_Sec_2020
0422

Lab Sample ID: 209322.06

Matrix: aqueous

Date Sampled: 4/22/20

Date Received: 4/22/20

Solids Suspended	91
Sulfate	110
Chloride	1800
Ammonia-N	980
TKN	1300
BOD	330
COD	3000

Units	Analysis		Method	Analyst
	Date	Time		
mg/L	4/24/20	11:55	2540D-11	KJD
mg/L	4/27/20	19:22	300.0	ATA
mg/L	4/28/20	17:00	4500CLE-11	ATA
mg/L	4/24/20	14:35	4500NH3D	SEL
mg/L	4/24/20	19:08	4500N _{org} C/N	ATA
mg/L	4/23/20	11:56	5210B-11	RB
mg/L	4/27/20	16:05	H8000	JCS



QC REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Solids Suspended	< 5	94 (104 %R)	92 (102 %R) (2 RPD)	mg/L	4/24/20	90 - 110	20	2540D-11
Sulfate	< 1	20 (102 %R)	21 (103 %R) (0 RPD)	mg/L	4/28/20	90 - 110	20	300.0
Chloride	< 1	25 (101 %R)	26 (102 %R) (1 RPD)	mg/L	4/25/20	90 - 110	20	4500CLE-11
Ammonia-N	< 0.05	1.8 (90 %R)	1.8 (91 %R) (1 RPD)	mg/L	4/24/20	90 - 110	20	4500NH3D-97
TKN	< 0.5	10 (100 %R)	9.7 (97 %R) (3 RPD)	mg/L	4/24/20	90 - 111	20	4500N _{org} C/NH
Total Phosphorus-P	< 0.01	0.30 (98 %R)	0.27 (91 %R) (8 RPD)	mg/L	4/24/20	90 - 110	20	365.1
BOD	< 6	380 (96 %R)	410 (102 %R) (6 RPD)	mg/L	4/23/20	84 - 115	20	5210B-11
CBOD	< 6	370 (91 %R)	360 (91 %R) (1 RPD)	mg/L	4/23/20	60 - 120	20	5210B-11
COD	< 10	110 (106 %R)	110 (106 %R) (0 RPD)	mg/L	4/27/20	85 - 115	20	H8000

Tank-B-20200422: Solids Suspended duplicate had a value of 32.0 mg/L with a RPD of 29. The duplicate was outside the 20 RPD acceptance criteria.

Samples were analyzed within holding times unless noted on the sample results page.

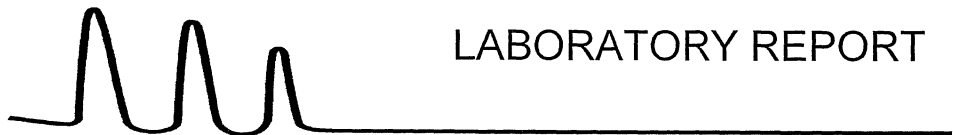
Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.

Exceptions to the above statements are flagged or noted above or on the QC Narrative page.

*// Flagged analyte recoveries deviated from the QA/QC limits.



LABORATORY REPORT

EAI ID#: 209322

Client: Sanborn, Head & Associates, Inc. (NH)

Client Designation: NCES | Leachate / 2637.07

Sample ID: Tank_B_20200422

Lab Sample ID: 209322.01

Matrix: aqueous

Date Sampled: 4/22/20

Date Received: 4/22/20

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Arsenic	0.18	AqTot	mg/L	4/23/20	200.8	DS
Barium	0.41	AqTot	mg/L	4/23/20	200.8	DS
Cadmium	< 0.005	AqTot	mg/L	4/23/20	200.8	DS
Chromium	0.35	AqTot	mg/L	4/23/20	200.8	DS
Copper	0.0087	AqTot	mg/L	4/23/20	200.8	DS
Iron	5.2	AqTot	mg/L	4/23/20	200.8	DS
Lead	< 0.005	AqTot	mg/L	4/23/20	200.8	DS
Manganese	1.3	AqTot	mg/L	4/23/20	200.8	DS
Mercury	< 0.001	AqTot	mg/L	4/23/20	200.8	DS
Molybdenum	0.0097	AqTot	mg/L	4/23/20	200.8	DS
Nickel	0.14	AqTot	mg/L	4/23/20	200.8	DS
Selenium	0.011	AqTot	mg/L	4/23/20	200.8	DS
Sodium	1500	AqTot	mg/L	4/23/20	200.8	DS
Zinc	0.21	AqTot	mg/L	4/23/20	200.8	DS



LABORATORY REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Sample ID:	StI_StIVPhII_Comb _20200422	StIII_Comb_2 0200422	StIII_Sec_20 200422	StIVPhI_StV_ Comb_20200 422					
Lab Sample ID:	209322.02	209322.03	209322.04	209322.05					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	4/22/20	4/22/20	4/22/20	4/22/20	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Date Received:	4/22/20	4/22/20	4/22/20	4/22/20					
Arsenic	0.10	0.15	0.018	0.26	AqTot	mg/L	4/23/20	200.8	DS
Cadmium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	4/23/20	200.8	DS
Chromium	0.26	0.23	0.060	0.47	AqTot	mg/L	4/23/20	200.8	DS
Copper	0.0069	0.26	0.12	0.015	AqTot	mg/L	4/23/20	200.8	DS
Iron	4.2	4.3	39	12	AqTot	mg/L	4/23/20	200.8	DS
Lead	0.0053	< 0.005	0.0084	0.0087	AqTot	mg/L	4/23/20	200.8	DS
Manganese	0.44	0.58	5.9	2.3	AqTot	mg/L	4/23/20	200.8	DS
Mercury	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/23/20	200.8	DS
Molybdenum	0.013	< 0.005	< 0.005	0.011	AqTot	mg/L	4/23/20	200.8	DS
Nickel	0.12	0.062	0.068	0.18	AqTot	mg/L	4/23/20	200.8	DS
Selenium	0.0095	0.015	< 0.005	0.019	AqTot	mg/L	4/23/20	200.8	DS
Zinc	0.24	0.17	0.18	0.48	AqTot	mg/L	4/23/20	200.8	DS

Sample ID:	StIVPhI_Sec_2020 0422								
Lab Sample ID:	209322.06								
Matrix:	aqueous								
Date Sampled:	4/22/20				Analytical Matrix	Units	Date of Analysis	Method	Analyst
Date Received:	4/22/20								
Arsenic	0.56				AqTot	mg/L	4/23/20	200.8	DS
Cadmium	< 0.005				AqTot	mg/L	4/23/20	200.8	DS
Chromium	0.43				AqTot	mg/L	4/23/20	200.8	DS
Copper	0.0062				AqTot	mg/L	4/23/20	200.8	DS
Iron	2.4				AqTot	mg/L	4/23/20	200.8	DS
Lead	0.0059				AqTot	mg/L	4/23/20	200.8	DS
Manganese	0.82				AqTot	mg/L	4/23/20	200.8	DS
Mercury	< 0.001				AqTot	mg/L	4/23/20	200.8	DS
Molybdenum	0.015				AqTot	mg/L	4/23/20	200.8	DS
Nickel	0.13				AqTot	mg/L	4/23/20	200.8	DS
Selenium	0.015				AqTot	mg/L	4/23/20	200.8	DS
Zinc	0.090				AqTot	mg/L	4/23/20	200.8	DS



QC REPORT

EAI ID#: 209322

Client: **Sanborn, Head & Associates, Inc. (NH)**

Client Designation: **NCES | Leachate / 2637.07**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	< 0.001	1.1 (106 %R)		mg/L		85 - 115	20	200.8
Barium	< 0.001	0.96 (96 %R)		mg/L		85 - 115	20	200.8
Cadmium	< 0.001	1.1 (107 %R)		mg/L		85 - 115	20	200.8
Chromium	< 0.001	0.97 (97 %R)		mg/L		85 - 115	20	200.8
Copper	< 0.001	0.96 (96 %R)		mg/L	4/23/20	85 - 115	20	200.8
Iron	< 0.05	11 (102 %R)		mg/L		85 - 115	20	200.8
Lead	< 0.001	0.92 (92 %R)		mg/L	4/23/20	85 - 115	20	200.8
Manganese	< 0.005	0.97 (97 %R)		mg/L		85 - 115	20	200.8
Mercury	< 0.0001	0.0011 (110 %R)		mg/L		85 - 115	20	200.8
Molybdenum	< 0.001	1.0 (101 %R)		mg/L		85 - 115	20	200.8
Nickel	< 0.001	1.0 (105 %R)		mg/L		85 - 115	20	200.8
Selenium	< 0.001	1.1 (109 %R)		mg/L		85 - 115	20	200.8
Sodium	< 5	9.4 (85 %R)		mg/L		85 - 115	20	200.8
Zinc	< 0.005	1.0 (104 %R)		mg/L	4/23/20	85 - 115	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
 Instrumentation was calibrated in accordance with the method requirements.
 The method blanks were free of contamination at the reporting limits.
 The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
 Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
 *! Flagged analyte recoveries deviated from the QA/QC limits.

Chain-of-Custody Record

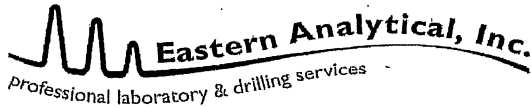
For 209322

Table with columns: Sample ID, Sampling Date/Time, Matrix, Grab/Composite, and various Analytes (VOCs, PCBs, etc.). Rows include samples like Tank_B_20200422, StI_StIVPhII_Comb_20200422, etc.

Project Manager: T. White / K. Dubois
Company: Sanborn, Head & Associates, Inc.
Address: 20 Foundry Street
City: Concord State: NH Zip: 03301
Phone: 603-229-1900 Ext.:
Fax: 603-229-1919
E-Mail: kdubois@sanbornhead.com
Site Name: NCES | Leachate
Project #: 2637.07
State: NH
Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:
Quote #: PO#:

Date Needed: Standard TAT
QA/QC Reporting Level: B
Reporting Options: Yes or No
Electronic Options: No Fax, E-Mail, PDF, Equis
Temp: 21 °C
Ice? Yes No
Sampler(s): MTS
Relinquished By: [Signature] Date: 4/22/20 Time: 1300

Metals: Lists Below Samples Field Filtered: N/A
A: As, Cd, Cu, Cr, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn
B: As, Cd, Cu, Cr, Fe, Pb, Mn, Hg, Mo, Na, Ni, Se, Zn, Ba
C:
Notes: (i.e., Special Detection Limits, Billing Info, If Different)
Trip blank(s) prepared by EAI.
Bill NCES.
*Report 1,4-dioxane to 0.25 ug/l RL
*Hold Final report until EQUIS EDD ready.



25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customerservice@eallabs.com | www.eallabs.com

TABLE 1
Summary of Monitoring Data - Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
April 2020

Analyte		Units	Tank B
			4/22/2020
Field Parameters	pH	SU	8.0
	Specific Conductance	uS/cm	14,460
	Temperature	C	13
Indicator Parameters	Ammonia	mg/L	850
	Biological Oxygen Demand	mg/L	390 E
	Carbonaceous Biochemical Oxygen Demand (CBOD)	mg/L	<600
	Chemical Oxygen Demand	mg/L	2,600
	Chloride	mg/L	2,300
	Phosphorus	mg/L	5.1
	Sulfate	mg/L	38
	Total Kjeldahl Nitrogen (TKN)	mg/L	1,100
	Total Suspended Solids	mg/L	43
Total Metals	Arsenic	mg/L	0.18
	Barium	mg/L	0.41
	Cadmium	mg/L	<0.005
	Chromium	mg/L	0.35
	Copper	mg/L	0.0087
	Iron	mg/L	5.2
	Lead	mg/L	<0.005
	Manganese	mg/L	1.3
	Mercury	mg/L	<0.001
	Molybdenum	mg/L	0.0097
	Nickel	mg/L	0.14
	Selenium	mg/L	0.011
	Sodium	mg/L	1,500
Zinc	mg/L	0.21	
Volatile Organic Compounds (VOCs)	Acetone	ug/L	1,700
	Benzene	ug/L	<10
	Bromobenzene	ug/L	<10
	Bromochloromethane	ug/L	<10
	Bromodichloromethane	ug/L	<5
	Bromoform	ug/L	<20
	Bromomethane	ug/L	<20
	Butanone (2-) (MEK)	ug/L	2,000
	Butylbenzene (n-)	ug/L	<10
	Butylbenzene (sec-)	ug/L	<10
	Butylbenzene (tert-)	ug/L	<10
	Carbon disulfide	ug/L	<20
	Carbon tetrachloride	ug/L	<10
	Chlorobenzene (Monochlorobenzene)	ug/L	<10
	Chloroethane	ug/L	<20
	Chloroform (Trichloromethane)	ug/L	<10
	Chloromethane	ug/L	<20
	Chlorotoluene (2-)	ug/L	<10
	Chlorotoluene (4-)	ug/L	<10
	Dibromo-3-chloropropane (1,2-) (DBCP)	ug/L	<20
	Dibromochloromethane	ug/L	<10
	Dibromoethane (1,2-) (Ethylene Dibromide)	ug/L	<5
	Dibromomethane	ug/L	<10
	Dichlorobenzene (1,2-)	ug/L	<10
Dichlorobenzene (1,3-)	ug/L	<10	

TABLE 1
Summary of Monitoring Data - Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
April 2020

	Analyte	Units	Tank B
			4/22/2020
Volatile Organic Compounds (VOCs)	Dichlorobenzene (1,4-)	ug/L	<10
	Dichlorodifluoromethane (CFC12)	ug/L	<20
	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
	Dichloropropane (1,3-)	ug/L	<10
	Dichloropropane (2,2-)	ug/L	<10
	Dichloropropene (1,1-)	ug/L	<10
	Dichloropropene (cis-1,3-)	ug/L	<5
	Dichloropropene (trans-1,3-)	ug/L	<5
	Diethyl Ether (Ethyl Ether)	ug/L	21
	Diisopropyl Ether (DIPE)	ug/L	<20
	Dioxane (1,4-)	ug/L	<500
	Ethyl tert butyl ether (ETBE)	ug/L	<20
	Ethylbenzene	ug/L	13
	Hexachlorobutadiene	ug/L	<5
	Hexanone (2-)	ug/L	<100
	Isopropylbenzene (Cumene)	ug/L	<10
	Isopropyltoluene (4-)	ug/L	<10
	Methyl-2-pentanone (4-) (MIBK)	ug/L	<100
	Methylene Chloride (Dichloromethane)	ug/L	<10
	Methyl-tert Butyl Ether (MTBE)	ug/L	<10
	Naphthalene	ug/L	<20
	Propylbenzene (n-)	ug/L	<10
	Styrene	ug/L	<10
	Tert Amyl Methyl Ether (TAME)	ug/L	<20
	Tert Butyl Alcohol (TBA) (tert-Butanol)	ug/L	1,400
	Tetrachloroethane (1,1,1,2-)	ug/L	<10
	Tetrachloroethane (1,1,2,2-)	ug/L	<10
	Tetrachloroethene (PCE)	ug/L	<10
	Tetrahydrofuran	ug/L	1,100
	Toluene	ug/L	25
	Trichlorobenzene (1,2,3-)	ug/L	<5
	Trichlorobenzene (1,2,4-)	ug/L	<10
	Trichlorobenzene (1,3,5-)	ug/L	<10
	Trichloroethane (1,1,1-)	ug/L	<10
	Trichloroethane (1,1,2-)	ug/L	<10
Trichloroethene (TCE)	ug/L	<10	
Trichlorofluoromethane (CFC11)	ug/L	<20	
Trichloropropane (1,2,3-)	ug/L	<5	
Trimethylbenzene (1,2,4-)	ug/L	<10	
Trimethylbenzene (1,3,5-)	ug/L	<10	
Vinyl chloride	ug/L	<10	
Xylene (m,p-)	ug/L	23	
Xylene (o-)	ug/L	14	
Low-Level Volatile Organic Compounds	Dibromo-3-chloropropane (1,2-) (DBCP)	ug/L	<0.02
	Dibromoethane (1,2-) (Ethylene Dibromide)	ug/L	<0.02
	Dioxane (1,4-)	ug/L	130

TABLE 1
Summary of Monitoring Data - Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
April 2020

	Analyte	Units	Tank B
			4/22/2020
Semi-Volatile Organic Compounds (SVOCs)	Acenaphthene	ug/L	<5
	Acenaphthylene	ug/L	<5
	Acetophenone	ug/L	<500
	Aniline	ug/L	<50
	Anthracene	ug/L	<5
	Azobenzene	ug/L	<50
	Benzidine	ug/L	<300
	Benzo(a)anthracene	ug/L	<5
	Benzo(a)pyrene	ug/L	<5
	Benzo(b)fluoranthene	ug/L	<5
	Benzo(g,h,i)perylene	ug/L	<5
	Benzo(k)fluoranthene	ug/L	<5
	Benzoic acid	ug/L	<3000
	Benzyl Alcohol	ug/L	<500
	bis(2-Chloroethoxy)methane	ug/L	<50
	bis(2-Chloroethyl)ether	ug/L	<50
	bis(2-Chloroisopropyl)ether	ug/L	<50
	bis(2-Ethylhexyl)phthalate (Di(ethylhexyl)phthalate)	ug/L	<300
	Bromophenyl-phenylether (4-)	ug/L	<50
	Butylbenzylphthalate	ug/L	<300
	Carbazole	ug/L	<50
	Chloro-3-methylphenol (4-)	ug/L	<50
	Chloroaniline (4-)	ug/L	<50
	Chloronaphthalene (2-)	ug/L	<50
	Chlorophenol (2-)	ug/L	<50
	Chlorophenyl-phenylether (4-)	ug/L	<50
	Chrysene	ug/L	<5
	Decane (n-)	ug/L	<300
	Dibenz(a,h)anthracene	ug/L	<5
	Dibenzofuran	ug/L	<50
	Dichloroaniline (2,3-)	ug/L	<50
	Dichlorobenzene (1,2-)	ug/L	<50
	Dichlorobenzene (1,3-)	ug/L	<50
	Dichlorobenzene (1,4-)	ug/L	<50
	Dichlorobenzidine (3,3'-)	ug/L	<50
	Dichlorophenol (2,4-)	ug/L	<50
	Diethylphthalate	ug/L	<300
	Dimethylphenol (2,4-)	ug/L	<300
	Dimethylphthalate	ug/L	<50
	Di-n-butylphthalate (Dibutylphthalate)	ug/L	<300
Dinitro-2-methylphenol (4,6-)	ug/L	<300	
Dinitrophenol (2,4-)	ug/L	<500	
Dinitrotoluene (2,4-)	ug/L	<100	
Dinitrotoluene (2,6-)	ug/L	<100	
Di-n-octylphthalate	ug/L	<300	
Fluoranthene	ug/L	<5	
Fluorene	ug/L	<5	
Hexachlorobenzene	ug/L	<50	
Hexachlorobutadiene	ug/L	<50	
Hexachlorocyclopentadiene	ug/L	<300	
Hexachloroethane	ug/L	<50	

TABLE 1
Summary of Monitoring Data - Tank B Leachate
North Country Environmental Services, Inc.
Bethlehem, New Hampshire
April 2020

	Analyte	Units	Tank B
			4/22/2020
Semi-Volatile Organic Compounds (SVOCs)	Indeno(1,2,3-cd)pyrene	ug/L	<5
	Isophorone	ug/L	<50
	Methylnaphthalene (1-)	ug/L	<5
	Methylnaphthalene (2-)	ug/L	<5
	Methylphenol (2-)	ug/L	<50
	Methylphenol (3,4-)	ug/L	310
	Naphthalene	ug/L	<5
	Nitroaniline (2-)	ug/L	<300
	Nitroaniline (3-)	ug/L	<300
	Nitroaniline (4-)	ug/L	<300
	Nitrobenzene	ug/L	<50
	Nitrophenol (2-)	ug/L	<300
	Nitrophenol (4-)	ug/L	<300
	Nitrosodimethylamine (N-)	ug/L	<50
	Nitroso-di-n-propylamine (N-)	ug/L	<30
	Nitrosodiphenylamine (N-)	ug/L	<50
	Octadecane (n-)	ug/L	<300
	Pentachlorophenol	ug/L	<300
	Phenanthrene	ug/L	<5
	Phenol	ug/L	56
Pyrene	ug/L	<5	
Pyridine	ug/L	<300	
Terpineol (alpha-)	ug/L	<300	
Trichlorobenzene (1,2,4-)	ug/L	<50	
Trichlorophenol (2,4,5-)	ug/L	<50	
Trichlorophenol (2,4,6-)	ug/L	<50	

Notes:

1. Samples were collected by Sanborn Head personnel and were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire.
2. pH is presented in standard units (s.u.), specific conductance is presented in microSiemens per centimeter ($\mu\text{S}/\text{cm}$), temperature is presented in degrees Celsius ($^{\circ}\text{C}$), and turbidity is presented in Nephelometric Turbidity Units (NTU). Indicator parameter and metals results are presented in milligrams per liter (mg/L) which is equivalent to parts per million. VOC and SVOC results are presented in micrograms per liter ($\mu\text{g}/\text{L}$) which is equivalent to parts per billion (ppb).
3. "<" indicates the analyte was not detected above the listed laboratory reporting limit.
 "E" indicates the concentration for BOD is estimated due to the dissolved oxygen depletion in the BOD dilutions analyzed not meeting the recommended criteria of 2 mg/L for a valid BOD reading.
 According to the lab, several CBOD dilutions were analyzed, oxygen depletion was not great enough to calculate a valid CBOD result. An elevated detection limit has been reported.

Tank B Leachate

