

Laboratory Report



Absolute Resource *associates*

124 Heritage Avenue Portsmouth NH 03801

Luke Frankel
FB Environmental
170 West Road
Suite 6
Portsmouth, NH 03801

PO Number: None
Job ID: 66978
Date Received: 9/11/23

Project: Parsons Creek 2023

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below. The reported results apply to the sample(s) in the condition as received at the time the laboratory took custody. This report shall not be reproduced except in full, without written approval of the laboratory. The liability of ARA is limited to the cost of the requested analyses, unless otherwise agreed upon in writing.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink, appearing to read 'A. DeWees', written in a cursive style.

Aaron DeWees
Chief Operating Officer

Date of Approval: 9/15/2023
Total number of pages: 4

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH902

Massachusetts M-NH902

Project ID: Parsons Creek 2023

Job ID: 66978

Sample#: 66978-001

Sample ID: PC-OUT

Matrix: Water

Sampled: 9/11/23 14:05

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Enterococci Bacteria	364.0	10.0	MPN	10	DBV		2302777	9/11/23	16:38	Enterolert

Sample#: 66978-002

Sample ID: BCH11

Matrix: Water

Sampled: 9/11/23 14:25

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Enterococci Bacteria	11199.0	10.0	MPN	10	DBV		2302777	9/11/23	16:38	Enterolert

Sample#: 66978-003

Sample ID: PC07

Matrix: Water

Sampled: 9/11/23 15:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Enterococci Bacteria	1388.0	10.0	MPN	10	DBV		2302777	9/11/23	16:38	Enterolert

Sample#: 66978-004

Sample ID: PC08

Matrix: Water

Sampled: 9/11/23 14:50

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Enterococci Bacteria	3654.0	10.0	MPN	10	DBV		2302777	9/11/23	16:38	Enterolert

Sample#: 66978-005

Sample ID: ACPS005-U35

Matrix: Water

Sampled: 9/11/23 15:25

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Enterococci Bacteria	2589.0	10.0	MPN	10	DBV		2302777	9/11/23	16:38	Enterolert

Absolute Resource
associates



124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001

absoluteresourceassociates.com

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

66978

ANALYSIS REQUEST

Company Name: FB Environmental

Company Address: 383 Central Ave
Suite 267
Dover, NH 03820

Report To: Luke Frankel

Phone #: 603-828-1456

Project Name: Parsons Creek 2023

Project #: _____
Project Location: NH MA ME VT _____

Accreditation Required? N/Y: _____
See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

Protocol: RCRA SDWA NPDES
MCP NHDES DOD
Notify ARA if your samples require specific methods, certifications or compliance protocol.

Reporting Limits: QAPP EPA DW GW-1 Other S-1

<input type="checkbox"/> VOC 8260	<input type="checkbox"/> VOC 8260 NHDES	<input type="checkbox"/> VOC 8260 MADEP
<input type="checkbox"/> VOC 624.1	<input type="checkbox"/> VOC BTEX MBE, only	<input type="checkbox"/> VOC 8021VT
<input type="checkbox"/> VPH MADEP	<input type="checkbox"/> GRO 8015	<input type="checkbox"/> 1,4-Dioxane
<input type="checkbox"/> VOC 524.2	<input type="checkbox"/> VOC 524.2 NH List	<input type="checkbox"/> Gases-List:
<input type="checkbox"/> TPH 8100	<input type="checkbox"/> DRG 8015	<input type="checkbox"/> EPH MADEP
<input type="checkbox"/> 8270PAH	<input type="checkbox"/> 8270ABN	<input type="checkbox"/> 625.1
<input type="checkbox"/> 8082 PCB	<input type="checkbox"/> 8081 Pesticides	<input type="checkbox"/> 608.3 Pest/PCB
<input type="checkbox"/> PFAS 537.1	<input type="checkbox"/> PFAS 533	<input type="checkbox"/> PFAS isotope dilution
<input type="checkbox"/> O&G 1664	<input type="checkbox"/> Mineral O&G 1664	
<input type="checkbox"/> pH	<input type="checkbox"/> 800	<input type="checkbox"/> Conductivity
<input type="checkbox"/> TSS	<input type="checkbox"/> TDS	<input type="checkbox"/> TS
<input type="checkbox"/> RCRA Metals	<input type="checkbox"/> Priority Pollutant Metals	<input type="checkbox"/> TAL Metals
<input type="checkbox"/> Hardness		
<input type="checkbox"/> Total Metals-list:		
<input type="checkbox"/> Dissolved Metals-list:		
<input type="checkbox"/> Ammonia	<input type="checkbox"/> COD	<input type="checkbox"/> TKN
<input type="checkbox"/> T-Phosphorus	<input type="checkbox"/> Bacteria P/A	<input type="checkbox"/> Bacteria MPN
<input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Nitrate + Nitrite
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride
<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Ignitibility/FP	
<input type="checkbox"/> TCLP Metals	<input type="checkbox"/> TCLP VOC	<input type="checkbox"/> TCLP SVOC
<input type="checkbox"/> Subcontract:	<input type="checkbox"/> Grain Size	<input type="checkbox"/> Herbicides
<input type="checkbox"/> Asbestos		

Lab Sample ID <small>(Lab Use Only)</small>	Field ID	# CONTAINERS	Matrix			Preservation Method					Sampling		
			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER
66978-01	PC-OUT										9/11/23	14:05	EM
-02	BCH11										↓	14:25	↓
-03	PC07											15:00	
-04	PC08											14:50	
-05	ACPS005-US5											15:25	

TAT REQUESTED
Priority (24 hr)*
Expedited (48 hr)*
Standard
(10 Business Days)
*Date Needed _____

Invoice To: Lindsey Collari
Email: lindsey.c@fbenvironmental.com
PO #: _____
Quote #: _____
 NH Reimbursement Pricing

SPECIAL INSTRUCTIONS

Reporting Instructions:
 EDD: _____ Report To (email): luke.f@fbenvironmental.com

RECEIVED ON ICE YES NO
TEMPERATURE 5 °C

CUSTODY RECORD
QSD-01 Revision 07/27/2022

Relinquished by Sampler: [Signature]

Relinquished by: _____

Relinquished by: _____

Date | Time | Received by:

9/11/2023 | 15:50

Date | Time | Received by:

Date | Time | Received by Laboratory:

9/11/23 | 15:50

Sample Receipt Condition Report

66978

Absolute Resource Associates

Job Number:

Samples Received from: -UPS -FedEx -USPS -Lab Courier -Client Drop-off -
 Custody Seals - present & intact: -Yes -No -N/A CoC signed: -Yes -No
 Receipt Temp: 5 °C Samples on ice? -Yes -No -N/A Sampled < 24 hrs ago? -Yes -No
 PFAS-only real ice? -Yes -No -N/A Any signs of freezing? -Yes -No

Comments:

Preservation / Analysis	Bottle Size/Type & Quantity						Check pH for ALL applicable* samples and document:
HCl	40mL(G)	250mL(P)	500mL(P)	1L(G)			*pH ✓ by analyst: VOC, PFAS, TOC, O&G Residual Cl not present: ABN625 _____ Pest608 _____ Bacteria ResCl ✓ by analyst PC Dry applicable? Y <input checked="" type="checkbox"/> N
HNO ₃	125mL(P)	250mL(P)	500mL(P)				
H ₂ SO ₄	40mL(G)	60mL(P)	125mL(P)	250mL(P)	500mL(P)		
NaOH	125mL(P)	250mL(P)					
(NH ₄) ₂ SO ₄	60mL(P)	125mL(P)	250mL(P)				
ZnAc-NaOH	125mL(P)	250mL(P)					
Trizma	125mL(P)	250mL(P)					
NH ₄ Ac	125mL(P)	250mL(P)					
Na ₂ S ₂ O ₃	40mL(G)	120mL(P)					
MeOH	20mL(G)	40mL(G)					
None (solid)	2oz(G)	4oz(G)	8oz(G)	Syringe			
None (water)	40ml (G)	60mL(P)	125mL(P)	250mL(P)	500mL(P)	1L(G) 1L(P)	
whirlpack 5							
Mold	Cassette	Bulk	Plate	Tape Lift			
Asbestos	Cassette	Bulk					
Lead	Cassette	Bulk	Wipe				

Login Review	Yes	No	NA	Comments
Proper lab sample containers/enough volume/correct preservative?	X			NOT ARA containers
Analyses marked on COC match bottles received?	X			
VOC & TOC Water-no headspace?			X	
VOC Solid-MeOH covers solid, no leaks, Prep Expiration OK?			X	
PFAS: ARA bottles & samples/FRB same Lot#? QC rec'd, if req'd?			X	Lot ID#: _____
Bacteria bottles provided by ARA?		X		whirlpacks
Samples within holding time?	X			
Immediate tests communicated in writing: NO ₃ , NO ₂ , o-PO ₄ , pH, BOD, Coliform/E. coli (P/A or MPN) <u>Enterococci</u> Color Surfactants, Turbidity, Odor, CrVI, Ferrous Iron, Dissolved Oxygen, Unpres 624	X			DBV
Date, time & ID on samples match CoC?	X			
Rushes communicated to analyst in writing?			X	
Subcontracted samples sent to sub lab?			X	Date Prep'd: _____ Date sent: _____
Pesticides EPA 608 pH5-9?			X	
Compliance samples have no discrepancies/require no flags?			X	(Or must be rejected)
Log-in Supervisor notified immediately of following items:			X	Discrepancies, compliance samples (NHDES, MADEP, DoI) etc.) or uncommon requests.

Inspected and Received By: OKL

Date/Time: 9/11/23 16:15

Peer Review Checklist			
<input type="checkbox"/> Client ID/Project Manager	<input type="checkbox"/> On Ice, Temperature OK?	<input type="checkbox"/> Sample IDs	<input type="checkbox"/> Analyses in Correctly
<input type="checkbox"/> Project Name	<input type="checkbox"/> PO# (if provided)	<input type="checkbox"/> Matrix	-references
<input type="checkbox"/> TAT/rushes communicated	<input type="checkbox"/> Sub samples sent? Shipping Charge?	<input type="checkbox"/> Date/Time collected	-wastewater methods
<input type="checkbox"/> Received Date/Time	<input type="checkbox"/> Issues noted above communicated?	<input type="checkbox"/> Short HTs communicated	<input type="checkbox"/> Notes from CoC in LIMS
Reviewed By: _____		Date: _____	

Notes: (continue on back as needed)

	Initials	Date	What was sent?
Uploaded / PDF _____			Report / Data / EDD / Invoice
Uploaded / PDF _____			Report / Data / EDD / Invoice
Uploaded / PDF _____			Report / Data / EDD / Invoice