



BROX INDUSTRIES, INC.

1471 Methuen Street • Dracut, MA 01826-5439

(978) 454-9105

FAX:(978) 805-9720

www.broxindustries.com

January 19, 2024

John Driscoll, Chairman
Barrington Planning Board
4 Signature Drive (Off Rte. 125)
P.O. Box 660
Barrington, New Hampshire 03825

RE: 236-4-GR-20-SR (Owner: Sunset Rock, LLC)
Excavation Permit - Annual Report

Dear Chairman Driscoll:

In accordance with the Barrington Planning Board's Notice of Decision dated January 18, 2022, please find enclosed copies of the laboratory reporting results for the May and October testing performed in compliance with the "Groundwater Quality Monitoring Program" as detailed in conditions precedent No. 4.

Also, for your use I have included a separate sheet summarizing the results of the May and October sampling.

If you need any additional information or have any questions, please email me at estevenson@broxindustries.com or call me at (978) 805-9744.

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Stevenson", written over a light blue horizontal line.

Erik Stevenson

Vice President Real Estate

Enc.

Cc: J. Keyser - Brox



NELSON ANALYTICAL LAB

490 East Industrial Park Drive
Manchester, NH 03109
(603)622-0200

NH ELAP Accreditation #NH1005
Maine Certification # NH01005
Vermont State Certification # VT1005
www.nelsonanalytical.com

Client: Aries Engineering, LLC:

08 June 2023

104 Pleasant Street Concord NH , 03301:

Enclosed are the results of analytical testing performed on the following samples:

Laboratory ID	Client Sample ID	Sample Location	Sample matrix	Date sampled	Date received
123052567.01	Brox Industries, Barrington, NH #2023-047:	Surface Water, Bedrock Sump	Water	25-May-23 13:15	25-May-23 16:30

The results in this report relate only to the submitted samples. If you have any questions concerning this report, please feel free to contact us at (603)622-0200.

Approved By:

Andrew Nelson Laboratory Director



Notes: mg/L=ppm; ug/L=ppb; ng/L=ppt, "< c" denotes "less than". This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, the Massachusetts Laboratory Certification Program and the Maine Laboratory Accreditation Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters which should be tested immediately upon sample collection. Samples tested for pH after submission are beyond the hold time. Samples will be analyzed as quickly as laboratory operations allow. Metals samples may be analyzed the same day they are received. # Sample(s) received at laboratory do not meet method specified temperature criteria.

Solid samples are reported on a dry weight basis unless noted otherwise.
Subcontract Laboratories: SUB2: Nelson Analytical Maine NH2018 SUB 7: Nelson Analytical EAI Div. NH1007, SUB4:NH2073, SUB5:NH2530, SUB8:NH2136, SUB9:NH2572

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap>
http://health.vermont.gov/environment/eh_lab/PublicHealthLaboratory.aspx
<https://www.maine.gov/dhhs/mecdc/environmental-health/docs/professionals/labCert.shtml>
<https://www.mass.gov/info-details>

490 East Industrial Park Drive
Manchester, NH 03109
(603)622-0200

NH ELAP Accreditation #NH1005
Maine State Certification #NH01005
Vermont State Certification #VT1005
www.nelsonanalytical.com

Date Reported : 08-Jun-23 10:26

REPORT OF ANALYSIS

sampled Date: 25-May-2023 01:15

123052567.01

Brox Industries, Barrington, NH

#2023-047

Surface Water, Bedrock Sump

Conductivity

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Conductivity	630	10	umhos/cm	05/26/2023 11:10	SM 2510B	LS

Metals by ICP/MS

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Arsenic	<0.0010	0.001	mg/L	05/26/2023 13:28	EPA 200.8	NN
Iron	0.250	0.03	mg/L	05/26/2023 13:28	EPA 200.8	NN
Manganese	1.46	0.01	mg/L	05/26/2023 13:28	EPA 200.8	NN

Nitrate

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Nitrate-N	8.4	1	mg/L	05/25/2023 17:00	SM 4500 NO3 D	LS

pH

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
pH	6.87	N/A	SU	05/25/2023 17:00	SM 4500H B	LS

Sulfate

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Sulfate	218	5.0	mg/L	05/30/2023 12:00	E300.0-2.1	SUB8

Total Kjeldahl Nitrogen

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Total Kjeldahl Nitrogen (TKN)	0.23	0.10	mg/L	06/06/2023 12:00	E351.1	SUB8

Notes: mg/L=ppm; ug/L=ppb; ng/L=ppt, "c" denotes "less than". This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, the Massachusetts Laboratory Certification Program and the Maine Laboratory Accreditation Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters which should be tested immediately upon sample collection. Samples tested for pH after submission are beyond the hold time. Metals samples may be analyzed the same day they are received. #Sample(s) received at laboratory do not meet method specified temperature criteria.

Solid samples are reported on a dry weight basis unless noted otherwise.

Subcontract Laboratories: SUB2: Nelson Analytical Maine NH2018 SUB 7; Nelson Analytical EAI Div. NH1007, SUB4:NH2073, SUB5:NH2530, SUB8:NH2136, SUB9:NH257

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap>

http://healthvermont.gov/enviro/ph_lab/PublicHealthLaboratory.aspx

<https://www.maine.gov/dhs/mecdc/environmental-health/dwpp/professionals/labCert.shtml>

<https://www.mass.gov/certified-laboratories>

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 (603)622-0200

NH ELAP Accreditation #NH1005
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 www.nelsonanalytical.com

Date Reported : 08-Jun-23 10:26

REPORT OF ANALYSIS

sampled Date: 25-May-2023 01:15

123052567.01

Brox Industries, Barrington, NH

#2023-047

Surface Water, Bedrock Sump

TPH by GC (Extractable Products)

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst
Aviation Fuel/Kerosene	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Fuel Oil 2/Diesel Fuel	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Fuel Oil 4	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Fuel Oil 6	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Motor Oil	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Other Oil (Cutting and Lubricating)	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8
Unidentified	ND	0.5	mg/L	06/02/2023 12:00	SW8015D DRO	SUB8

Notes: mg/L=ppm; ug/L=ppb; ng/L=ppt. "<" denotes "less than". This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, the Massachusetts Laboratory Certification Program and the Maine Laboratory Accreditation Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters which should be tested immediately upon sample collection. Samples tested for pH after submission are beyond the hold time. Samples will be analyzed as quickly as laboratory operations allow. Metals samples may be analyzed the same day they are received. #=Sample(s) received at laboratory do not meet method specified temperature criteria.

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<http://des.nh.gov/organization/divisions/water/dwvpl/nhlab/>
http://healthvermont.gov/enviro/ph_lab/PublicHealthLaboratory.aspx
<https://www.maine.gov/dhs/mecdc/environmental-health/dwpl/professionals/labCert.shtml>
<https://www.mass.gov/certified-laboratories>

NELSON ANALYTICAL LAB

490 East Industrial Park Drive
 Manchester, NH 03109
 Phone: (603) 783-9097
 Fax: (603) 622-0200
 E-Mail: info@nelsonanalytical.com

Lab ID: **12305-2507**
 Date Recd: **5/25/23** Time Recd: **5:4**
 Recd by: **MS** Location: **FC**
 Cooler: **N** Ice: **N**
 Bottles: **40mL HCL** **250mL HCL** **4oz. Glass**
 1L Amber HCL **250mL LC**
 Other: **2 TPH amber bottle**

Tumaround Requirements		Project Information													
Please inquire about rush service. If we are able to meet your needs, we will not charge a rush fee. Please call for prior approval. <input type="checkbox"/> Same day <input type="checkbox"/> One Day <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day <input checked="" type="checkbox"/> Normal		Project #: 2023-047 Project Name: Brox Industries Town/Site: Barrington, NH Sampler: Kathleen Baxter Company: Aris Engineering													
Project Manager: Peter McGlew Report to: 11 Invoice to: Khebalin@aries-eng.com Phone: 603-209-0008 E-Mail: kwbaxter@aries-eng.com		Receipt Conditions (Lab Use Only): Laboratory Supplied Containers? <input type="checkbox"/> Yes <input type="checkbox"/> No Containers Intact/Property Labeled? <input type="checkbox"/> Yes <input type="checkbox"/> No Were samples delivered on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Brought directly from field? <input type="checkbox"/> Yes <input type="checkbox"/> No Sample storage requirements: ROOM TEMP / FREEZER / REFRIGERATOR													
Project Requirements: Quota # _____ MCP: Y / N NH Odd Fund: Y / N Notes: _____															
Sample Matrix Key															
Please indicate the sample matrix in the sample matrix column by using the respective codes below: S Soil DW Drinking Water GW Groundwater WW Wastewater SW Surface Water O Oil X Other (specify): _____															
Sample Information															
Sample ID: Bedrock Sump	Collection Date/Time: 5/25/23 1:15 PM	Sample Matrix (see key): # of Containers: 5													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>VOCs</th> <th>SVOCS</th> <th>Petroleum</th> <th>Metals</th> <th>Wet Chemistry / Inorganics</th> <th>Laboratory ID</th> </tr> </thead> <tbody> <tr> <td> <input type="checkbox"/> VOCs EPA 8260 <input type="checkbox"/> VOCs EPA 524.2 Drinking Water <input type="checkbox"/> 1,4-dioxane, EPA 8260B (SIM) <input type="checkbox"/> SVOC 8270 Full List <input type="checkbox"/> SVOC 8270 PAH Only <input type="checkbox"/> PCB Aroclors: EPA 8082 <input type="checkbox"/> PCB Aroclors: EPA 8081 <input type="checkbox"/> Herbicides: EPA 8151 <input checked="" type="checkbox"/> TPH Fuel Oil - DRO, EPA 8100/8015M <input checked="" type="checkbox"/> TPH Gasoline - GRO, SW-46 8015 <input type="checkbox"/> MADEP EPH <input type="checkbox"/> MADEP VPH <input type="checkbox"/> Petroleum Fingerprint <input type="checkbox"/> RORs Metals: Total <input type="checkbox"/> RORs Metals: Dissolved <input type="checkbox"/> Additional Metals: (total / dissolved) Iron, Mn, As </td> <td> <input type="checkbox"/> Chloride / Sulfate / Nitrate / Nitrite <input checked="" type="checkbox"/> Fluoride / NH₄ Spec Cond / Alkalinity <input type="checkbox"/> EPA SW 846 - Reactivity <input type="checkbox"/> Flashpoint / Ignitability <input type="checkbox"/> Oil & Grease (specify): _____ <input type="checkbox"/> Total Dissolved Solids <input type="checkbox"/> Total Suspended Solids <input type="checkbox"/> PFAS (specify): _____ </td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				VOCs	SVOCS	Petroleum	Metals	Wet Chemistry / Inorganics	Laboratory ID	<input type="checkbox"/> VOCs EPA 8260 <input type="checkbox"/> VOCs EPA 524.2 Drinking Water <input type="checkbox"/> 1,4-dioxane, EPA 8260B (SIM) <input type="checkbox"/> SVOC 8270 Full List <input type="checkbox"/> SVOC 8270 PAH Only <input type="checkbox"/> PCB Aroclors: EPA 8082 <input type="checkbox"/> PCB Aroclors: EPA 8081 <input type="checkbox"/> Herbicides: EPA 8151 <input checked="" type="checkbox"/> TPH Fuel Oil - DRO, EPA 8100/8015M <input checked="" type="checkbox"/> TPH Gasoline - GRO, SW-46 8015 <input type="checkbox"/> MADEP EPH <input type="checkbox"/> MADEP VPH <input type="checkbox"/> Petroleum Fingerprint <input type="checkbox"/> RORs Metals: Total <input type="checkbox"/> RORs Metals: Dissolved <input type="checkbox"/> Additional Metals: (total / dissolved) Iron, Mn, As	<input type="checkbox"/> Chloride / Sulfate / Nitrate / Nitrite <input checked="" type="checkbox"/> Fluoride / NH ₄ Spec Cond / Alkalinity <input type="checkbox"/> EPA SW 846 - Reactivity <input type="checkbox"/> Flashpoint / Ignitability <input type="checkbox"/> Oil & Grease (specify): _____ <input type="checkbox"/> Total Dissolved Solids <input type="checkbox"/> Total Suspended Solids <input type="checkbox"/> PFAS (specify): _____				
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Relinquished by: Kathleen Baxter		Received by: Joseph D. D...													
Relinquished by:		Received by:													
Relinquished by:		Received by:													

NOTES:
 Metals Iron, Manganese Arsenic



Eastern Analytical, Inc.

professional laboratory and drilling services



George C. Holt
Aries Engineering, LLC
104 Pleasant Street
Concord, NH 03301

Laboratory Report for:

Eastern Analytical, Inc. ID: 268092
Client Identification: Brox Rochester
Date Received: 10/10/2023

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 10.18.23
Lorraine Olashaw, Lab Director Date



SAMPLE CONDITIONS PAGE

EAI ID#: 268092

Client: **Aries Engineering, LLC**

Client Designation: **Brox Rochester**

Temperature upon receipt (°C): **0.8**

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)
268092.01	Sump-1	10/10/23	10/10/23 13:30	aqueous		Adheres to Sample Acceptance Policy
268092.02	NAR-1	10/10/23	10/10/23 10:20	aqueous		Adheres to Sample Acceptance Policy
268092.03	NAR-2	10/10/23	10/10/23 11:55	aqueous		Adheres to Sample Acceptance Policy
268092.04	Trip Blank	10/10/23	10/10/23 00:00	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#: 268092

Client: **Aries Engineering, LLC**

Client Designation: **Brox Rochester**

Sample ID:	Sump-1	NAR-1	NAR-2	Trip Blank
Lab Sample ID:	268092.01	268092.02	268092.03	268092.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	10/10/23	10/10/23	10/10/23	10/10/23
Date Received:	10/10/23	10/10/23	10/10/23	10/10/23
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	10/12/23	10/12/23	10/12/23	10/12/23
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



LABORATORY REPORT

EAI ID#: 268092

Client: **Aries Engineering, LLC**

Client Designation: **Brox Rochester**

Sample ID:	Sump-1	NAR-1	NAR-2	Trip Blank
Lab Sample ID:	268092.01	268092.02	268092.03	268092.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	10/10/23	10/10/23	10/10/23	10/10/23
Date Received:	10/10/23	10/10/23	10/10/23	10/10/23
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	10/12/23	10/12/23	10/12/23	10/12/23
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	93 %R	92 %R	92 %R	92 %R
1,2-Dichlorobenzene-d4 (surr)	102 %R	104 %R	103 %R	103 %R
Toluene-d8 (surr)	95 %R	95 %R	94 %R	95 %R
1,2-Dichloroethane-d4 (surr)	100 %R	102 %R	102 %R	100 %R



LABORATORY REPORT

EAI ID#: **268092**

Client: **Aries Engineering, LLC**
 Client Designation: **Brox Rochester**

Sample ID:	Sump-1	NAR-1	NAR-2
Lab Sample ID:	268092.01	268092.02	268092.03
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	10/10/23	10/10/23	10/10/23
Date Received:	10/10/23	10/10/23	10/10/23
Units:	ug/L	ug/L	ug/L
Date of Analysis:	10/11/23	10/11/23	10/11/23
Analyst:	AMF	AMF	AMF
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1
1,4-Dioxane	< 0.2	< 0.2	< 0.2
4-Bromofluorobenzene (surr)	108 %R	108 %R	108 %R
Toluene-d8 (surr)	100 %R	100 %R	102 %R



LABORATORY REPORT

EAI ID#: 268092

Client: **Aries Engineering, LLC**

Client Designation: **Brox Rochester**

Sample ID:	Sump-1	NAR-1	NAR-2
Lab Sample ID:	268092.01	268092.02	268092.03
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	10/10/23	10/10/23	10/10/23
Date Received:	10/10/23	10/10/23	10/10/23
Units:	mg/L	mg/L	mg/L
Date of Extraction/Prep:	10/11/23	10/11/23	10/11/23
Date of Analysis:	10/11/23	10/11/23	10/11/23
Analyst:	MB	MB	MB
Method:	8015CDRO	8015CDRO	8015CDRO
Dilution Factor:	1	1	1
DRO (Diesel Range C10-C28)	< 0.4	< 0.4	< 0.4
p-Terphenyl-D14 (surr)	69 %R	58 %R	62 %R



LABORATORY REPORT

EAI ID#: 268092

Client: **Aries Engineering, LLC**

Client Designation: **Brox Rochester**

Sample ID:	Sump-1	NAR-1	NAR-2	Analysis				
Lab Sample ID:	268092.01	268092.02	268092.03					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	10/10/23	10/10/23	10/10/23					
Date Received:	10/10/23	10/10/23	10/10/23					
				Units	Date	Time	Method	Analyst
Sulfate	270	14	41	mg/L	10/11/23	23:13	300.0	ALM
Chloride	2.7	1.9	5.8	mg/L	10/11/23	11:54	300.0	ALM
Nitrate-N	4.8	< 0.5	< 0.5	mg/L	10/11/23	11:54	300.0	ALM
TKN	< 0.5	< 0.5	< 0.5	mg/L	10/16/23	15:34	4500N _{ora} C/NH3D	GRS
pH	6.78	6.09	6.75	SU	10/10/23	16:22	4500H+B-11	AMB
Specific Conductance	740	110	220	uS/cm	10/12/23	8:58	2510B-97	BAF



LABORATORY REPORT

EAI ID#: 268092

Client: **Aries Engineering, LLC**
 Client Designation: **Brox Rochester**

Sample ID: Sump-1

Lab Sample ID: 268092.01

Matrix: aqueous

Date Sampled: 10/10/23

Date Received: 10/10/23

Arsenic < 0.0005
 Iron 0.070
 Manganese 1.8

Analytical Matrix	Units	Date of Analysis	Method	Analyst
AqTot	mg/L	10/14/23	200.8	DS
AqTot	mg/L	10/14/23	200.8	DS
AqTot	mg/L	10/14/23	200.8	DS

Sample ID: NAR-1 NAR-2

Lab Sample ID: 268092.02 268092.03

Matrix: aqueous aqueous

Date Sampled: 10/10/23 10/10/23

Date Received: 10/10/23 10/10/23

Arsenic 0.0012 < 0.0005
 Iron 6.4 0.53
 Manganese 0.70 0.82

Analytical Matrix	Units	Date of Analysis	Method	Analyst
AqDis	mg/L	10/13/23	200.8	DS
AqDis	mg/L	10/13/23	200.8	DS
AqDis	mg/L	10/13/23	200.8	DS



268092

Date/Time
Composites need start
and stop dates/times

Matrix

Parameters and Sample Notes

of containers

Sample IDs	Date/Time	Matrix	Parameters and Sample Notes	# of containers
Sump-1	10/10/23 13:30	aqueous Grab or Comp	AqTotV8260/DIOX/DRO/CI/NO3/TKN/pH/SpecCon/SO4/ICPMets,Fe,Mn,As	8

<input checked="" type="checkbox"/> NAR-1	10/10/23 10:20	aqueous Grab or Comp	AqTotV8260/DIOX/DRO/CI/NO3/TKN/pH/SpecCon/SO4 AqDis/ICPMets,Fe,Mn,As	8
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<input checked="" type="checkbox"/> NAR-2	10/10/23 11:55	aqueous Grab or Comp	AqTotV8260/DIOX/DRO/CI/NO3/TKN/pH/SpecCon/SO4 AqDis/ICPMets,Fe,Mn,As	8
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<input checked="" type="checkbox"/> Trip Blank		aqueous Grab or Comp	AqTotV8260	2
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Samplers confirms ID and parameters are accurate

Circle preservative/s: HCL HNO₃ H₂SO₄ NaOH MEOH Na₂S₂O₈ ICE

Dissolved Sample Field Filtered

PO# Verbal

Quote#:

Temp 0.8°C

Ice Y N

EAI Project ID
Project Name Brox Rochester
State NH
Client (Pro Mgr) George C. Holt
Customer Arnes Engineering, LLC
Address 104 Pleasant Street
City Concord NH 03301
Phone 228-0008 Fax 226-0374

Results Needed by: Preferred date _____
Notes:

Reporting Options
 HC
 EDD PDF
 EDD email
 PDF prelin, NO FAX
 e-mail Login Confirmation
 NO FAX
 Partial FAX
 PDF Invoice
 EQUIS

QC deliverables
 A A+ B B+ C MA MCP

Samples Collected by: [Signature]
 Relinquished by: [Signature] Date/Time 10/10/23 15:30 Received by: NH

Email: gholt@arnes-eng.com Eastern Analytical, Inc. www.easternanalytical.com | 800.287.0525 | customer.service@easternanalytical.com
 Direct 228-0008 Eastern Analytical, Inc.

TABLE 1
 WATER SAMPLE SUMMARY
 BROX FACILITY
 BARRINGTON, NEW HAMPSHIRE

Analytical Parameter	NHDES AGQS	Specific Conductance (uS/cm)	pH	Chloride	Total Arsenic	Dissolved Arsenic	Total Iron	Dissolved Iron	Total Manganese	Dissolved Manganese	Nitrate-N	Sulfate	Total Kjeldahl Nitrogen (TKN)	Volatile Organic Compounds (VOCs)	TPH-DRO	Water Elevation (feet NAVD88)
Bedrock Sump (Sump-1)		630	6.87	-	<0.0010	-	0.25	-	1.46	-	8.4	218	0.25	-	<5.0	-
		740	6.78	2.7	<0.0005	-	0.07	-	1.8	-	4.8	270	<0.5	ND	<0.4	73.31
NAR-1		110	6.09	1.9	-	0.0012	-	6.4	-	0.7	<0.5	14	<0.5	ND	<0.4	157.81
NAR-2		220	6.75	5.8	-	<0.0005	-	0.53	-	0.82	<0.5	41	<0.5	ND	<0.4	111.36

NOTES:

- All results are in milligrams per liter (mg/L), except where noted. Specific conductance measured in microsiemens per centimeter (uS/cm).
- <0.5 indicates the analyte was not detected above the listed detection limit. "ND" indicated not detected.
- "-" indicated parameter not measured.
- Bold** indicates results exceed Ambient Groundwater Quality Standard (AGQS) established in Env-Or 603.03 and NHDES GW-1 Standards.
- NS indicates no applicable compliance standard for the designated parameter.
- Water elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

