284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

METALS
VOLATILE ORGANICS

PROJECT NAME : SOMERSET HILLS MEMORIAL PARK

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2072

ATTENTION : Ken Cwieka

Laboratory Certification ID # 20012

Table Of Contents for Q2072

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : First Environment, Inc.

Project Location : Basking Ridge, NJ

Project Number : FAIRM062 - Somerset Hills Memorial Park

Laboratory Sample ID(s) : Q2072

Sampling Date(s) : 5/16/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8260-Low,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☑ Yes ☐ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2072

Project ID : Somerset Hills Memorial Park

Client : First Environment, Inc.

Lab Sample Number	Client Sample Number
Q2072-01	MW-2
Q2072-02	MW-3
Q2072-03	MW-4
Q2072-04	MW-6
Q2072-05	FB
Q2072-06	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

First Environment, Inc.
Project Name: Somerset Hills Memorial Park
Project # N/A
Order ID # Q2072
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
6 Water samples were received on 05/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group3 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

First Environment, Inc.
Project Name: Somerset Hills Memorial Park
Project # N/A
Order ID # Q2072
Test Name: Metals Group3

A. Number of Samples and Date of Receipt:
6 Water samples were received on 05/16/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Metals Group3 and VOCMS Group1. This data package contains results for Metals Group3.

C. Analytical Techniques:
The analysis of Metals Group3 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2072

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 05/29/2025

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LAB CHRONICLE

OrderID:	Q2072	**OrderDate:**	5/16/2025 2:45:18 PM
Client:	First Environment, Inc.	**Project:**	Somerset Hills Memorial Park
Contact:	Ken Cwieka	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2072-01	**MW-2**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	
Q2072-02	**MW-3**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	
Q2072-03	**MW-4**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	
Q2072-04	**MW-6**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	
Q2072-05	**FB**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	
Q2072-06	**TB**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group1	8260-Low			05/16/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-4**								
Q2072-03	MW-4	Water	Acetone		9.40		1.50	5.00	ug/L
Q2072-03	MW-4	Water	Isopropylbenzene		1.10		0.12	1.00	ug/L
Q2072-03	MW-4	Water	1,2,4-Trimethylbenzene		0.27	J	0.14	1.00	ug/L
			Total Voc :		10.8				
Q2072-03	MW-4	Water	Butane, 2-methyl-	*	11.0	J	0	0	ug/L
Q2072-03	MW-4	Water	Butane, 2,3-dimethyl-	*	6.70	J	0	0	ug/L
Q2072-03	MW-4	Water	Pentane, 2,3,4-trimethyl-	*	5.30	J	0	0	ug/L
Q2072-03	MW-4	Water	Butane, 2,2,3,3-tetramethyl-	*	10.2	J	0	0	ug/L
Q2072-03	MW-4	Water	2-Pentene, 4-methyl-, (Z)-	*	6.90	J	0	0	ug/L
Q2072-03	MW-4	Water	Cyclopentene, 4,4-dimethyl-	*	5.10	J	0	0	ug/L
Q2072-03	MW-4	Water	sec-Butylbenzene	*	2.20	J	0.13	1.00	ug/L
			Total Tics :		47.4				
			Total Concentration:		58.2				

SAMPLE DATA

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60900	5.55			
540-36-3	1,4-Difluorobenzene	122000	6.763			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48800	12.018			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046248.D	1		05/16/25 17:15	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60500	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046249.D	1		05/16/25 17:39	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	9.40		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.10		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.27	J	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59300	5.55			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49000	12.018			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046250.D	1		05/16/25 18:02	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
000078-78-4	Butane, 2-methyl-	11.0	J		1.74	ug/L
000079-29-8	Butane, 2,3-dimethyl-	6.70	J		2.78	ug/L
000691-38-3	2-Pentene, 4-methyl-, (Z)-	6.90	J		2.87	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	10.2	J		6.24	ug/L
019037-72-0	Cyclopentene, 4,4-dimethyl-	5.10	J		7.17	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	5.30	J		7.98	ug/L
135-98-8	sec-Butylbenzene	2.20	J		11.9	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	56600	5.55			
540-36-3	1,4-Difluorobenzene	113000	6.757			
3114-55-4	Chlorobenzene-d5	110000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	46000	12.024			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046251.D	1		05/16/25 18:26	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63800	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.763			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48600	12.018			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046246.D	1		05/16/25 16:29	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59300	5.55			
540-36-3	1,4-Difluorobenzene	120000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49100	12.018			

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	TB	SDG No.:	Q2072
Lab Sample ID:	Q2072-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046247.D	1		05/16/25 16:52	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2072-01	MW-2	1,2-Dichloroethane-d4	50	53.6	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
Q2072-02	MW-3	1,2-Dichloroethane-d4	50	54.7	109	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)
Q2072-03	MW-4	1,2-Dichloroethane-d4	50	55.2	110	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
Q2072-04	MW-6	1,2-Dichloroethane-d4	50	56.5	113	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	51.2	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
Q2072-05	FB	1,2-Dichloroethane-d4	50	55.5	111	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)
Q2072-06	TB	1,2-Dichloroethane-d4	50	56.0	112	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)
VX0516WBL01	VX0516WBL01	1,2-Dichloroethane-d4	50	55.5	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.9	104	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VX0516WBS01	VX0516WBS01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.6	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
VX0516WBSD0	VX0516WBSD01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046231.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0516WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			40 (69)	160 (116)	
	Chloromethane	20	19.1	ug/L	96			40 (65)	160 (116)	
	Vinyl chloride	20	18.4	ug/L	92			70 (65)	130 (117)	
	Bromomethane	20	18.2	ug/L	91			40 (58)	160 (125)	
	Chloroethane	20	19.8	ug/L	99			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.7	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	15.7	ug/L	79			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	23.3	ug/L	117			70 (67)	130 (125)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	18.5	ug/L	93			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	19.1	ug/L	96			70 (70)	130 (124)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.1	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	18.5	ug/L	93			70 (72)	130 (115)	
	Benzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.5	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	19.8	ug/L	99			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.3	ug/L	106			70 (83)	130 (111)	
	Bromodichloromethane	20	20.7	ug/L	104			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.2	ug/L	101			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.6	ug/L	103			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.7	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.9	ug/L	100			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.0	ug/L	100			70 (83)	130 (109)	
	Styrene	20	20.3	ug/L	102			70 (80)	130 (111)	
	Bromoform	20	19.0	ug/L	95			70 (79)	130 (109)	
	Isopropylbenzene	20	20.0	ug/L	100			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			70 (76)	130 (118)	
	1,2,4-Trimethylbenzene	20	20.1	ug/L	101			70 (85)	130 (111)	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			70 (82)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046231.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0516WBS01	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.5	ug/L	88			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0516WBSD01	Dichlorodifluoromethane	20	18.5	ug/L	93	3		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.4	ug/L	87	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.4	ug/L	87	6		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.1	ug/L	91	0		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.6	ug/L	98	1		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.2	ug/L	96	3		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	1		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.1	ug/L	91	2		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	15.6	ug/L	78	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	0		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	23.5	ug/L	117	0		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.3	ug/L	92	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.1	ug/L	91	3		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.7	ug/L	99	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.3	ug/L	92	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.2	ug/L	96	3		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	19.0	ug/L	95	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.8	ug/L	99	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.5	ug/L	93	0		70 (72)	130 (115)	20 (20)
	Benzene	20	20.0	ug/L	100	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.9	ug/L	104	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.7	ug/L	99	0		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	2		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.2	ug/L	106	2		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (20)
	Toluene	20	20.3	ug/L	102	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	2		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	3		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.9	ug/L	104	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.1	ug/L	106	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.3	ug/L	106	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.2	ug/L	101	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.7	ug/L	99	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.0	ug/L	100	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.1	ug/L	101	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.3	ug/L	102	0		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.7	ug/L	99	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.4	ug/L	102	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101	0		70 (76)	130 (118)	20 (20)
	1,2,4-Trimethylbenzene	20	20.4	ug/L	102	1		70 (85)	130 (111)	20 (20)
	1,3-Dichlorobenzene	20	19.9	ug/L	100	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.6	ug/L	98	2		70 (82)	130 (107)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2072

Client: First Environment, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0516WBSD01	1,2-Dichlorobenzene	20	20.4	ug/L	102	0		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95	8		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	2		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0516WBL01

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046230.D Lab Sample ID: VX0516WBL01

Date Analyzed: 05/16/2025 Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025
FB	Q2072-05	VX046246.D	05/16/2025
TB	Q2072-06	VX046247.D	05/16/2025
MW-2	Q2072-01	VX046248.D	05/16/2025
MW-3	Q2072-02	VX046249.D	05/16/2025
MW-4	Q2072-03	VX046250.D	05/16/2025
MW-6	Q2072-04	VX046251.D	05/16/2025

COMMENTS:

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046227.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	65.3
175	5.0 - 9.0% of mass 174	5.2 (8) 1
176	95.0 - 101.0% of mass 174	65.3 (99.9) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046228.D	05/16/2025	09:22
VX0516WBL01	VX0516WBL01	VX046230.D	05/16/2025	10:12
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025	10:36
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025	11:01
FB	Q2072-05	VX046246.D	05/16/2025	16:29
TB	Q2072-06	VX046247.D	05/16/2025	16:52
MW-2	Q2072-01	VX046248.D	05/16/2025	17:15
MW-3	Q2072-02	VX046249.D	05/16/2025	17:39
MW-4	Q2072-03	VX046250.D	05/16/2025	18:02
MW-6	Q2072-04	VX046251.D	05/16/2025	18:26

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046228.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_X Time Analyzed: 09:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	94540	5.54	157316	6.75	136812	10.05
UPPER LIMIT	189080	6.038	314632	7.251	273624	10.549
LOWER LIMIT	47270	5.038	78658	6.251	68406	9.549
EPA SAMPLE NO.						
MW-2	60932	5.55	122154	6.76	115589	10.06
MW-3	60476	5.54	119451	6.76	112435	10.06
MW-4	59308	5.55	118728	6.76	114044	10.06
MW-6	56586	5.55	113386	6.76	109564	10.06
FB	63781	5.55	127117	6.76	117342	10.05
TB	59269	5.55	119588	6.76	114347	10.06
VX0516WBL01	63217	5.54	126396	6.76	119684	10.05
VX0516WBS01	89369	5.54	154326	6.76	137068	10.05
VX0516WBSD01	88353	5.54	151068	6.76	134956	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG NO.: Q2072

Lab File ID: VX046228.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_X Time Analyzed: 09:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65634	12.018				
UPPER LIMIT	131268	12.518				
LOWER LIMIT	32817	11.518				
EPA SAMPLE NO.						
MW-2	48818	12.02				
MW-3	48415	12.02				
MW-4	48994	12.02				
MW-6	45951	12.02				
FB	48600	12.02				
TB	49075	12.02				
VX0516WBL01	51388	12.02				
VX0516WBS01	65057	12.02				
VX0516WBSD01	63717	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63200	5.544			
540-36-3	1,4-Difluorobenzene	126000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51400	12.018			

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Client Sample ID:	VX0516WBL01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		0.22	1.00	ug/L
74-87-3	Chloromethane	19.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.1		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.2		0.14	1.00	ug/L

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Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.1		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89400	5.544			
540-36-3	1,4-Difluorobenzene	154000	6.757			
3114-55-4	Chlorobenzene-d5	137000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65100	12.018			

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Client Sample ID:	VX0516WBS01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
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Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBSD01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.22	1.00	ug/L
74-87-3	Chloromethane	17.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L

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Lab Sample ID:	VX0516WBSD01	Matrix:	Water
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Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	19.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.4		0.14	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88400	5.544			
540-36-3	1,4-Difluorobenzene	151000	6.757			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63700	12.018			

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Client:	First Environment, Inc.	Date Collected:	
Project:	Somerset Hills Memorial Park	Date Received:	
Client Sample ID:	VX0516WBSD01	SDG No.:	Q2072
Lab Sample ID:	VX0516WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
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J = Estimated Value
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CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,2,4-Trimethylbenzene	3.274	3.522	3.335	3.444	3.034	3.150	3.293	5.5
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date/Time: 05/16/2025 09:22

Lab File ID: VX046228.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.769		0.52	20
Chloromethane	0.742	0.711	0.1	-4.18	20
Vinyl Chloride	0.691	0.646		-6.51	20
Bromomethane	0.320	0.290		-9.38	20
Chloroethane	0.369	0.361		-2.17	20
Trichlorofluoromethane	1.021	1.027		0.59	20
1,1,2-Trichlorotrifluoroethane	0.632	0.632		0	20
1,1-Dichloroethene	0.593	0.561		-5.4	20
Acetone	0.374	0.382		2.14	20
Carbon Disulfide	1.406	1.242		-11.66	20
Methyl tert-butyl Ether	2.079	2.019		-2.89	20
Methyl Acetate	0.867	0.942		8.65	20
Methylene Chloride	0.716	0.652		-8.94	20
trans-1,2-Dichloroethene	0.596	0.571		-4.2	20
1,1-Dichloroethane	1.219	1.184	0.1	-2.87	20
Cyclohexane	1.111	1.034		-6.93	20
2-Butanone	0.543	0.545		0.37	20
Carbon Tetrachloride	0.544	0.555		2.02	20
cis-1,2-Dichloroethene	0.718	0.684		-4.74	20
Bromochloromethane	0.587	0.596		1.53	20
Chloroform	1.271	1.254		-1.34	20
1,1,1-Trichloroethane	1.101	1.073		-2.54	20
Methylcyclohexane	0.623	0.608		-2.41	20
Benzene	1.417	1.418		0.07	20
1,2-Dichloroethane	0.612	0.614		0.33	20
Trichloroethene	0.341	0.341		0	20
1,2-Dichloropropane	0.352	0.373		5.97	20
Bromodichloromethane	0.547	0.579		5.85	20
4-Methyl-2-Pentanone	0.605	0.629		3.97	20
Toluene	0.869	0.864		-0.57	20
t-1,3-Dichloropropene	0.487	0.517		6.16	20
cis-1,3-Dichloropropene	0.538	0.571		6.13	20
1,1,2-Trichloroethane	0.343	0.353		2.91	20
2-Hexanone	0.448	0.468		4.46	20
Dibromochloromethane	0.376	0.402		6.91	20
1,2-Dibromoethane	0.356	0.364		2.25	20
Tetrachloroethene	0.354	0.372		5.09	20
Chlorobenzene	1.094	1.082	0.3	-1.1	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2072 SAS No.: Q2072 SDG No.: Q2072

Instrument ID: MSVOA_X Calibration Date/Time: 05/16/2025 09:22

Lab File ID: VX046228.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.962		1.71	20
m/p-Xylenes	0.706	0.716		1.42	20
o-Xylene	0.688	0.698		1.45	20
Styrene	1.127	1.198		6.3	20
Bromoform	0.281	0.296	0.1	5.34	20
Isopropylbenzene	3.893	3.974		2.08	20
1,1,2,2-Tetrachloroethane	1.364	1.296	0.3	-4.99	20
1,2,4-Trimethylbenzene	3.293	3.390		2.95	20
1,3-Dichlorobenzene	1.649	1.661		0.73	20
1,4-Dichlorobenzene	1.684	1.673		-0.65	20
1,2-Dichlorobenzene	1.655	1.667		0.73	20
1,2-Dibromo-3-Chloropropane	0.302	0.301		-0.33	20
1,2,4-Trichlorobenzene	0.951	0.961		1.05	20
1,2,3-Trichlorobenzene	0.981	0.965		-1.63	20
1,2-Dichloroethane-d4	0.932	0.895		-3.97	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.276		2.41	20
4-Bromofluorobenzene	0.478	0.486		1.67	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q2072	**OrderDate:**	5/16/2025 2:45:18 PM
Client:	First Environment, Inc.	**Project:**	Somerset Hills Memorial Park
Contact:	Ken Cwieka	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2072-01	**MW-2**	**Water**			**05/16/25**			**05/16/25**
			Metals Group3	6010D		05/20/25	05/28/25	
Q2072-02	**MW-3**	**Water**			**05/16/25**			**05/16/25**
			Metals Group3	6010D		05/20/25	05/28/25	
Q2072-03	**MW-4**	**Water**			**05/16/25**			**05/16/25**
			Metals Group3	6010D		05/20/25	05/28/25	
Q2072-04	**MW-6**	**Water**			**05/16/25**			**05/16/25**
			Metals Group3	6010D		05/20/25	05/28/25	
Q2072-05	**FB**	**Water**			**05/16/25**			**05/16/25**
			Metals Group3	6010D		05/20/25	05/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2072 **Order ID:** Q2072

Client: First Environment, Inc. **Project ID:** Somerset Hills Memorial Park

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-2								
Q2072-01	MW-2	Water	Iron	267		11.7	50.0	ug/L
Q2072-01	MW-2	Water	Sodium	40100		434	1000	ug/L
Client ID : MW-3								
Q2072-02	MW-3	Water	Iron	15200		11.7	50.0	ug/L
Q2072-02	MW-3	Water	Sodium	36200		434	1000	ug/L
Client ID : MW-4								
Q2072-03	MW-4	Water	Iron	1400		11.7	50.0	ug/L
Q2072-03	MW-4	Water	Sodium	30400		434	1000	ug/L
Client ID : MW-6								
Q2072-04	MW-6	Water	Iron	475		11.7	50.0	ug/L
Q2072-04	MW-6	Water	Sodium	14100		434	1000	ug/L
Client ID : FB								
Q2072-05	FB	Water	Iron	13.5	J	11.7	50.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-2	SDG No.:	Q2072
Lab Sample ID:	Q2072-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	267		1	11.7	50.0	ug/L	05/20/25 10:05	05/28/25 20:10	6010D	SW3010
7440-23-5	Sodium	40100		1	434	1000	ug/L	05/20/25 10:05	05/28/25 20:10	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-3	SDG No.:	Q2072
Lab Sample ID:	Q2072-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	15200		1	11.7	50.0	ug/L	05/20/25 10:05	05/28/25 20:14	6010D	SW3010
7440-23-5	Sodium	36200		1	434	1000	ug/L	05/20/25 10:05	05/28/25 20:14	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-4	SDG No.:	Q2072
Lab Sample ID:	Q2072-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	1400		1	11.7	50.0	ug/L	05/20/25 10:05	05/28/25 20:18	6010D	SW3010
7440-23-5	Sodium	30400		1	434	1000	ug/L	05/20/25 10:05	05/28/25 20:18	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	MW-6	SDG No.:	Q2072
Lab Sample ID:	Q2072-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	475		1	11.7	50.0	ug/L	05/20/25 10:05	05/28/25 20:31	6010D	SW3010
7440-23-5	Sodium	14100		1	434	1000	ug/L	05/20/25 10:05	05/28/25 20:31	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	05/16/25
Project:	Somerset Hills Memorial Park	Date Received:	05/16/25
Client Sample ID:	FB	SDG No.:	Q2072
Lab Sample ID:	Q2072-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	13.5	J	1	11.7	50.0	ug/L	05/20/25 10:05	05/28/25 20:55	6010D	SW3010
7440-23-5	Sodium	434	U	1	434	1000	ug/L	05/20/25 10:05	05/28/25 20:55	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10400	10000	104	90 - 110	P	05/21/2025	13:19	LB135868
	Sodium	10100	10000	101	90 - 110	P	05/21/2025	13:19	LB135868

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	105	100	105	80 - 120	P	05/21/2025	13:29	LB135868
	Sodium	1900	2000	95	80 - 120	P	05/21/2025	13:29	LB135868

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5060	5000	101	90 - 110	P	05/21/2025	14:09	LB135868
	Sodium	25300	25000	101	90 - 110	P	05/21/2025	14:09	LB135868
CCV02	Iron	4930	5000	99	90 - 110	P	05/21/2025	15:00	LB135868
	Sodium	24000	25000	96	90 - 110	P	05/21/2025	15:00	LB135868
CCV03	Iron	4860	5000	97	90 - 110	P	05/21/2025	16:02	LB135868
	Sodium	23600	25000	94	90 - 110	P	05/21/2025	16:02	LB135868
CCV04	Iron	4790	5000	96	90 - 110	P	05/21/2025	17:27	LB135868
	Sodium	23500	25000	94	90 - 110	P	05/21/2025	17:27	LB135868
CCV05	Iron	4870	5000	97	90 - 110	P	05/21/2025	18:16	LB135868
	Sodium	23400	25000	94	90 - 110	P	05/21/2025	18:16	LB135868
CCV06	Iron	4970	5000	99	90 - 110	P	05/21/2025	19:08	LB135868
	Sodium	23600	25000	95	90 - 110	P	05/21/2025	19:08	LB135868
CCV07	Iron	4920	5000	98	90 - 110	P	05/21/2025	19:57	LB135868
	Sodium	23600	25000	94	90 - 110	P	05/21/2025	19:57	LB135868
CCV08	Iron	4720	5000	94	90 - 110	P	05/21/2025	20:43	LB135868
	Sodium	22600	25000	90	90 - 110	P	05/21/2025	20:43	LB135868
CCV09	Iron	4750	5000	95	90 - 110	P	05/21/2025	21:29	LB135868
	Sodium	22400	25000	90	90 - 110	P	05/21/2025	21:29	LB135868
CCV10	Iron	4730	5000	95	90 - 110	P	05/21/2025	21:50	LB135868
	Sodium	22500	25000	90	90 - 110	P	05/21/2025	21:50	LB135868

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	9400	10000	94	90 - 110	P	05/28/2025	12:37	LB135935
	Sodium	9550	10000	96	90 - 110	P	05/28/2025	12:37	LB135935

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	100	100	100	80 - 120	P	05/28/2025	12:41	LB135935
	Sodium	1630	2000	81	80 - 120	P	05/28/2025	12:41	LB135935

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4760	5000	95	90 - 110	P	05/28/2025	13:21	LB135935
	Sodium	23800	25000	95	90 - 110	P	05/28/2025	13:21	LB135935
CCV02	Iron	5050	5000	101	90 - 110	P	05/28/2025	14:06	LB135935
	Sodium	25600	25000	103	90 - 110	P	05/28/2025	14:06	LB135935
CCV03	Iron	4680	5000	94	90 - 110	P	05/28/2025	14:52	LB135935
	Sodium	23600	25000	94	90 - 110	P	05/28/2025	14:52	LB135935
CCV04	Iron	5300	5000	106	90 - 110	P	05/28/2025	15:45	LB135935
	Sodium	26500	25000	106	90 - 110	P	05/28/2025	15:45	LB135935
CCV05	Iron	5000	5000	100	90 - 110	P	05/28/2025	16:38	LB135935
	Sodium	25100	25000	100	90 - 110	P	05/28/2025	16:38	LB135935
CCV06	Iron	5020	5000	100	90 - 110	P	05/28/2025	18:01	LB135935
	Sodium	24200	25000	97	90 - 110	P	05/28/2025	18:01	LB135935
CCV07	Iron	5290	5000	106	90 - 110	P	05/28/2025	18:51	LB135935
	Sodium	26400	25000	106	90 - 110	P	05/28/2025	18:51	LB135935
CCV08	Iron	5270	5000	106	90 - 110	P	05/28/2025	19:37	LB135935
	Sodium	26600	25000	106	90 - 110	P	05/28/2025	19:37	LB135935
CCV09	Iron	5210	5000	104	90 - 110	P	05/28/2025	20:22	LB135935
	Sodium	26100	25000	104	90 - 110	P	05/28/2025	20:22	LB135935
CCV10	Iron	5060	5000	101	90 - 110	P	05/28/2025	21:09	LB135935
	Sodium	24700	25000	99	90 - 110	P	05/28/2025	21:09	LB135935
CCV11	Iron	5000	5000	100	90 - 110	P	05/28/2025	22:15	LB135935
	Sodium	24500	25000	98	90 - 110	P	05/28/2025	22:15	LB135935

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Metals

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CRDL STANDARD FOR AA & ICP

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	106	100	106	65 - 135	P	05/21/2025	13:43	LB135868
	Sodium	1940	2000	97	65 - 135	P	05/21/2025	13:43	LB135868
CRI01	Iron	93.8	100	94	65 - 135	P	05/28/2025	12:53	LB135935
	Sodium	1580	2000	79	65 - 135	P	05/28/2025	12:53	LB135935

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	26.9	+/-100	J	100	P	05/21/2025	13:36	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	13:36	LB135868

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	05/21/2025	14:13	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	14:13	LB135868
CCB02	Iron	100	+/-100	U	100	P	05/21/2025	15:04	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	15:04	LB135868
CCB03	Iron	100	+/-100	U	100	P	05/21/2025	16:25	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	16:25	LB135868
CCB04	Iron	100	+/-100	U	100	P	05/21/2025	17:32	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	17:32	LB135868
CCB05	Iron	100	+/-100	U	100	P	05/21/2025	18:20	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	18:20	LB135868
CCB06	Iron	100	+/-100	U	100	P	05/21/2025	19:16	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	19:16	LB135868
CCB07	Iron	100	+/-100	U	100	P	05/21/2025	20:02	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	20:02	LB135868
CCB08	Iron	100	+/-100	U	100	P	05/21/2025	20:48	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	20:48	LB135868
CCB09	Iron	100	+/-100	U	100	P	05/21/2025	21:34	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	21:34	LB135868
CCB10	Iron	100	+/-100	U	100	P	05/21/2025	21:54	LB135868
	Sodium	2000	+/-2000	U	2000	P	05/21/2025	21:54	LB135868

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	44.9	+/-100	J	100	P	05/28/2025	12:45	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	12:45	LB135935

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	05/28/2025	13:26	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	13:26	LB135935
CCB02	Iron	100	+/-100	U	100	P	05/28/2025	14:10	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	14:10	LB135935
CCB03	Iron	100	+/-100	U	100	P	05/28/2025	14:56	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	14:56	LB135935
CCB04	Iron	100	+/-100	U	100	P	05/28/2025	15:49	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	15:49	LB135935
CCB05	Iron	100	+/-100	U	100	P	05/28/2025	16:43	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	16:43	LB135935
CCB06	Iron	100	+/-100	U	100	P	05/28/2025	18:05	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	18:05	LB135935
CCB07	Iron	32.2	+/-100	J	100	P	05/28/2025	18:55	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	18:55	LB135935
CCB08	Iron	100	+/-100	U	100	P	05/28/2025	19:41	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	19:41	LB135935
CCB09	Iron	100	+/-100	U	100	P	05/28/2025	20:26	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	20:26	LB135935
CCB10	Iron	100	+/-100	U	100	P	05/28/2025	21:23	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	21:23	LB135935
CCB11	Iron	100	+/-100	U	100	P	05/28/2025	22:19	LB135935
	Sodium	2000	+/-2000	U	2000	P	05/28/2025	22:19	LB135935

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Metals
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PREPARATION BLANK SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168086BL		**WATER**		**Batch Number:**	**PB168086**		**Prep Date:**	**05/20/2025**	
	Iron	50.0	<50.0	U	50.0	P	05/21/2025	17:22	LB135868
	Sodium	1000	<1000	U	1000	P	05/21/2025	17:22	LB135868

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Metals
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INTERFERENCE CHECK SAMPLE

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	91300	101000	90	85600	116500	05/21/2025	13:52	LB135868
	Sodium	4.13			0	0	05/21/2025	13:52	LB135868
ICSAB01	Iron	91200	99300	92	84400	114500	05/21/2025	13:56	LB135868
	Sodium	-38.7			0	0	05/21/2025	13:56	LB135868
ICSA01	Iron	109000	101000	108	85600	116500	05/28/2025	13:03	LB135935
	Sodium	8.77			0	0	05/28/2025	13:03	LB135935
ICSAB01	Iron	93500	99300	94	84400	114500	05/28/2025	13:08	LB135935
	Sodium	-21.6			0	0	05/28/2025	13:08	LB135935

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: First Environment, Inc. **level:** low **sdg no.:** Q2072

contract: FIRS02 **lab code:** CHEM **case no.:** Q2072 **sas no.:** Q2072

matrix: Water **sample id:** Q2072-04 **client id:** MW-6MS

Percent Solids for Sample: NA **Spiked ID:** Q2072-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2170		475		1500	113		P
Sodium	ug/L	75 - 125	16200		14100		1500	139		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: First Environment, Inc. **level:** low **sdg no.:** Q2072

contract: FIRS02 **lab code:** CHEM **case no.:** Q2072 **sas no.:** Q2072

matrix: Water **sample id:** Q2072-04 **client id:** MW-6MSD

Percent Solids for Sample: NA **Spiked ID:** Q2072-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2210		475		1500	116		P
Sodium	ug/L	75 - 125	17000		14100		1500	191		P

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Metals
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Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: First Environment, Inc. **Level:** LOW **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Matrix: Water **Sample ID:** Q2072-04 **Client ID:** MW-6DUP

Percent Solids for Sample: NA **Duplicate ID** Q2072-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	475		469		1		P
Sodium	ug/L	20	14100		14400		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: First Environment, Inc. **Level:** LOW **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Matrix: Water **Sample ID:** Q2072-04MS **Client ID:** MW-6MSD

Percent Solids for Sample: NA **Duplicate ID** Q2072-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	2170		2210		2		P
Sodium	ug/L	20	16200		17000		5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168086BS							
Iron	ug/L	1500	1360		91	80 - 120	P
Sodium	ug/L	1500	1300		87	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-6L

Lab Name: Chemtech Consulting Group **Contract:** FIRS02

Lab Code: CHEM **Lb No.:** lb135935 **Lab Sample ID :** Q2072-04L **SDG No.:** Q2072

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	475		526		11		P
Sodium	14100		12700		10		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Case No.:** Q2072 **SAS No.:** Q2072

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: First Environment, Inc. **SDG No.:** Q2072

Contract: FIRS02 **Lab Code:** CHEM **Method:**

Case No.: Q2072 **SAS No.:** Q2072

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168086**						
PB168086BL	PB168086BL	MB	WATER	05/20/2025	50.0	25.0	
PB168086BS	PB168086BS	LCS	WATER	05/20/2025	50.0	25.0	
Q2072-01	MW-2	SAM	WATER	05/20/2025	50.0	25.0	
Q2072-02	MW-3	SAM	WATER	05/20/2025	50.0	25.0	
Q2072-03	MW-4	SAM	WATER	05/20/2025	50.0	25.0	
Q2072-04	MW-6	SAM	WATER	05/20/2025	50.0	25.0	
Q2072-04DUP	MW-6DUP	DUP	WATER	05/20/2025	50.0	25.0	
Q2072-04MS	MW-6MS	MS	WATER	05/20/2025	50.0	25.0	
Q2072-04MSD	MW-6MSD	MSD	WATER	05/20/2025	50.0	25.0	
Q2072-05	FB	SAM	WATER	05/20/2025	50.0	25.0	

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metals
- 14 -
ANALYSIS RUN LOG

Client: First Environment, Inc. **Contract:** FIRS02

Lab code: CHEM **Case no.:** Q2072 **Sas no.:** Q2072 **Sdg no.:** Q2072

Instrument id number: **Method:** **Run number:** LB135868

Start date: 05/21/2025 **End date:** 05/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1205	Fe,Na
S1	S1	1	1209	Fe,Na
S2	S2	1	1213	Fe,Na
S3	S3	1	1217	Fe,Na
S4	S4	1	1222	Fe,Na
S5	S5	1	1226	Fe,Na
ICV01	ICV01	1	1319	Fe,Na
LLICV01	LLICV01	1	1329	Fe,Na
ICB01	ICB01	1	1336	Fe,Na
CRI01	CRI01	1	1343	Fe,Na
ICSA01	ICSA01	1	1352	Fe,Na
ICSAB01	ICSAB01	1	1356	Fe,Na
CCV01	CCV01	1	1409	Fe,Na
CCB01	CCB01	1	1413	Fe,Na
CCV02	CCV02	1	1500	Fe,Na
CCB02	CCB02	1	1504	Fe,Na
CCV03	CCV03	1	1602	Fe,Na
CCB03	CCB03	1	1625	Fe,Na
PB168086BL	PB168086BL	1	1722	Fe,Na
CCV04	CCV04	1	1727	Fe,Na
CCB04	CCB04	1	1732	Fe,Na
PB168086BS	PB168086BS	1	1737	Fe,Na
CCV05	CCV05	1	1816	Fe,Na
CCB05	CCB05	1	1820	Fe,Na
CCV06	CCV06	1	1908	Fe,Na
CCB06	CCB06	1	1916	Fe,Na
CCV07	CCV07	1	1957	Fe,Na
CCB07	CCB07	1	2002	Fe,Na
CCV08	CCV08	1	2043	Fe,Na
CCB08	CCB08	1	2048	Fe,Na
CCV09	CCV09	1	2129	Fe,Na
CCB09	CCB09	1	2134	Fe,Na
CCV10	CCV10	1	2150	Fe,Na
CCB10	CCB10	1	2154	Fe,Na

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metals
- 14 -
ANALYSIS RUN LOG

Client: First Environment, Inc. **Contract:** FIRS02

Lab code: CHEM **Case no.:** Q2072 **Sas no.:** Q2072 **Sdg no.:** Q2072

Instrument id number: **Method:** **Run number:** LB135935

Start date: 05/28/2025 **End date:** 05/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1159	Fe,Na
S1	S1	1	1203	Fe,Na
S2	S2	1	1207	Fe,Na
S3	S3	1	1211	Fe,Na
S4	S4	1	1216	Fe,Na
S5	S5	1	1220	Fe,Na
ICV01	ICV01	1	1237	Fe,Na
LLICV01	LLICV01	1	1241	Fe,Na
ICB01	ICB01	1	1245	Fe,Na
CRI01	CRI01	1	1253	Fe,Na
ICSA01	ICSA01	1	1303	Fe,Na
ICSAB01	ICSAB01	1	1308	Fe,Na
CCV01	CCV01	1	1321	Fe,Na
CCB01	CCB01	1	1326	Fe,Na
CCV02	CCV02	1	1406	Fe,Na
CCB02	CCB02	1	1410	Fe,Na
CCV03	CCV03	1	1452	Fe,Na
CCB03	CCB03	1	1456	Fe,Na
CCV04	CCV04	1	1545	Fe,Na
CCB04	CCB04	1	1549	Fe,Na
CCV05	CCV05	1	1638	Fe,Na
CCB05	CCB05	1	1643	Fe,Na
CCV06	CCV06	1	1801	Fe,Na
CCB06	CCB06	1	1805	Fe,Na
CCV07	CCV07	1	1851	Fe,Na
CCB07	CCB07	1	1855	Fe,Na
CCV08	CCV08	1	1937	Fe,Na
CCB08	CCB08	1	1941	Fe,Na
Q2072-01	MW-2	1	2010	Fe,Na
Q2072-02	MW-3	1	2014	Fe,Na
Q2072-03	MW-4	1	2018	Fe,Na
CCV09	CCV09	1	2022	Fe,Na
CCB09	CCB09	1	2026	Fe,Na
Q2072-04	MW-6	1	2031	Fe,Na
Q2072-04DUP	MW-6DUP	1	2035	Fe,Na
Q2072-04L	MW-6L	5	2039	Fe,Na
Q2072-04MS	MW-6MS	1	2044	Fe,Na
Q2072-04MSD	MW-6MSD	1	2047	Fe,Na
Q2072-05	FB	1	2055	Fe,Na
CCV10	CCV10	1	2109	Fe,Na
CCB10	CCB10	1	2123	Fe,Na

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metals
- 14 -
ANALYSIS RUN LOG

Client: First Environment, Inc. **Contract:** FIRS02

Lab code: CHEM **Case no.:** Q2072 **Sas no.:** Q2072 **Sdg no.:** Q2072

Instrument id number: **Method:** **Run number:** LB135935

Start date: 05/28/2025 **End date:** 05/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV11	CCV11	1	2215	Fe,Na
CCB11	CCB11	1	2219	Fe,Na

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 2072
COC Number 2047128

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: First Environment
ADDRESS: 10 Park Pl, Bldg 1A, Suite 304
CITY Butler STATE: NJ ZIP: 07045
ATTENTION: Ken Cwiekа
PHONE: 973-334-0003 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Fairmount Cemetery
PROJECT NO.: FAIRM002 LOCATION: Basking Ridge, NJ
PROJECT MANAGER: Ken Cwiekа
e-mail: KMC@firstenvironment.com
PHONE: 973-334-0003 FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NJDEP

ANALYSIS

1: Metals 2: VOC 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								B	A								← Specify Preservatives
1.	MW-2	GW		X	5/16/25	1120	3	X	X								A-HCl D-NaOH
2.	MW-3	"		X	"	1125	3	X	X								B-HN03 E-ICE
3.	MW-4	"		X	"	1130	3	X	X								C-H2SO4 F-OTHER
4.	MW-6	"		X	"	1135	3	X	X								
5.	FB			X	"	1230	3	X	X								
6.	TB						2	X	X								
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/16/25 14:45	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1-C °C
Comments: IR Gun #1

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2072 FIRS02
Client Name : First Environment, Inc.
Client Contact : Ken Cwieka
Invoice Name : First Environment, Inc.
Invoice Contact : Ken Cwieka

Order Date : 5/16/2025 2:45:18 PM
Project Name : Somerset Hills Memorial Pa
Receive DateTime : 5/16/2025 2:45:00 PM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2072-01	MW-2	Water	05/16/2025	11:20						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2072-02	MW-3	Water	05/16/2025	11:25						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2072-03	MW-4	Water	05/16/2025	11:30						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2072-04	MW-6	Water	05/16/2025	11:35						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2072-05	FB	Water	05/16/2025	12:30						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2072-06	TB	Water	05/16/2025	00:00						
					VOCMS Group1		8260-Low	10 Bus. Days		

Alliance TECHNICAL GROUP
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LOGIN REPORT/SAMPLE TRANSFER

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Order Date : 5/16/2025 2:45:18 PM
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Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

stored in VOA
Refrig

Relinguished By :
Date / Time : 5/16/25 1525

Received By :
Date / Time : 5-16-25 15:25

Storage Area : VOA Refridgerator Room